

DOCUMENT ROUTING FORM

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NAME OF DOCUMENT: FORT LAUDERDALE BEACH STREETSCAPE IMPROVEMENT PROJECT CONSULTANT SERVICES AGREEMENT with Kimley-Horn and Associates, Inc. - (RFQ) 636-11169 - \$1,117,615.42

Approved Comm. Mtg. on MAR 4, 2014 CAM #14-0238 ITEM: PUR-7

Routing Origin: [X] [X] copy of CAR [X] copy of document

On 3/5/14, Linda B. forwarded to: ELIZABETH COHEN, PROCUREMENT

Rafeela Persaud, Public Works

1.) Approved as to Content: [Signature] Department Director

Capital Improvements defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, fixtures) that add value and/or extend useful life, inc. major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, real.

Please Check the proper box: CIP FUNDED [X] YES [] NO Capital Improvement Projects

2.) Approved as to Funds Available: by [Signature] Finance Director Date: 3/11/14

Amount Required by Contract/Agreement \$ 812,696.85 P11681-346-6534 Standing Source: P11681-346

Dept./Div. PBS/ENG Index/Sub-object 6534 Project # P11676-346

3.) City Attorney's Office: Approved as to Form:# 3 Originals to City Mgr. By: L. BLANCO

DIANSJHAN WILLIAMS-PERSAD [Signature]

2014 MAR 11 AM 7:35

CITY ATTORNEY'S OFFICE

4.) Approved as to content: Assistant City Manager:

By: Stanley Hawthorne, Assistant City Manager By: Susanne Torriente Assistant City Manager

5.) City Manager: Please sign as indicated and forward 3 originals to Clerk.

6.) To City Clerk for attestation and City seal.

INSTRUCTIONS TO CLERK'S OFFICE

7.) City Clerk: retains one original document and forwards 2 original documents to:

JAMES HEMPHILL, PROCUREMENT SERVICES

Please copy Rafeela Persaud, PW, ext. 7810

2014 MAR 14 PM 1:18

CITY CLERK

[X] Original Route form to Linda Blanco, CAO

3/17

AGREEMENT

Between

City of Fort Lauderdale

and

KIMLEY-HORN AND ASSOCIATES, INC.

for

CONSULTANT SERVICES

for Project

FORT LAUDERDALE BEACH STREETScape IMPROVEMENT PROJECT

AGREEMENT

THIS IS AN AGREEMENT made and entered into this 4th day of March 2014
by and between:

CITY OF FORT LAUDERDALE, a municipal
Corporation of the State of Florida, (hereinafter
referred to as "CITY")

and

KIMLEY-HORN AND ASSOCIATES, INC., a North Carolina
Corporation authorized to do business in the State of Florida
(hereinafter referred to as "CONSULTANT").

WHEREAS, the City Commission of the City of Fort Lauderdale, Florida at its
meeting of March 4, 2014 authorized by motion the execution of this
Agreement between CONSULTANT and CITY authorizing the performance of services
in connection with an Agreement for Consulting services for landscape architectural and
civil engineering services for the Fort Lauderdale Beach Streetscape Improvement
Project, RFP No.636-11169 (the "Agreement") ;and

WHEREAS, the CONSULTANT is willing and able to render professional
services for such project for the compensation and on the terms hereinafter set forth;
and

NOW, THEREFORE, in consideration of the mutual covenants, agreements,
terms, and conditions contained herein, the parties hereto, do agree as follows:

ARTICLE 1 DEFINITIONS AND IDENTIFICATIONS

For the purposes of this Agreement and the various covenants, conditions, terms and
provisions which follow, the DEFINITIONS and IDENTIFICATIONS set forth below are
assumed to be true and correct and are therefore agreed upon by the parties.

- 1.1 AGREEMENT: Means this document between the CITY and CONSULTANT
dated March 4, 2014 and any duly authorized and executed
Amendments to Agreement.
- 1.2 CERTIFICATE FOR PAYMENT: A statement by CONSULTANT based on
observations at the site and on review of documentation submitted by the
Contractor that by its issuance recommends that CITY pay identified amounts to
the Contractor for services performed by the Contractor at the Project.
- 1.3 CHANGE ORDER: A written order to the Contractor, addressing modifications to
the Contract Documents, and establishing the basis of payment and contract

time adjustment, if any, for the work affected by such modifications. The CONSULTANT may review and make recommendations to the CITY on any proposed Change Orders, for approval or other appropriate action by the CITY.

- 1.4 CITY: The City of Fort Lauderdale, a municipal corporation of the State of Florida.
- 1.5 CITY MANAGER: The City Manager of the City of Fort Lauderdale, Florida.
- 1.6 COMMISSION: The City Commission of the City of Fort Lauderdale, Florida, which is the governing body of the CITY government.
- 1.7 CONSTRUCTION COST: The total construction cost to CITY of all elements of the Project designed or specified by the CONSULTANT.
- 1.8 CONSTRUCTION COST LIMIT: A maximum construction cost limit established by the CITY defining the maximum budget amount to which the final construction documents should be designed so as not to exceed.
- 1.9 CONSTRUCTION DOCUMENTS: Those working drawings and specifications and other writings setting forth in detail and prescribing the work to be done, the materials, workmanship and other requirements for construction of the entire Project, including any bidding information.
- 1.10 CONSULTANT: KIMLEY-HORN AND ASSOCIATES, INC., the CONSULTANT selected to perform professional services pursuant to this Agreement.
- 1.11 CONTRACT ADMINISTRATOR: The Public Works Director of the City of Fort Lauderdale, or his designee. In the administration of this Agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator.
- 1.12 CONTRACTOR: One or more individuals, firms, corporations or other entities identified as such by a written agreement with CITY ("Contract for Construction") to perform the construction services required to complete the Project.
- 1.13 ERROR: A mistake in design, plans and/or specifications that incorporates into those documents an element that is incorrect and is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes mistakes in design, plans, specifications and/or shop drawings review that lead to materials and/or equipment being ordered and/or delivered where additional costs are incurred.
- 1.14 FINAL STATEMENT OF PROBABLE CONSTRUCTION COSTS: A final cost estimate prepared by CONSULTANT during the Final Design Phase of the Project, based upon the final detailed Construction Documents of the Project.

- 1.15 NOTICE TO PROCEED: A written Notice to Proceed with the Project issued by the Contract Administrator.
- 1.16 OMISSION: A scope of work missed by the CONSULTANT that is necessary for the Project, including a quantity miscalculation, which was later discovered and added by Change Order and which is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes design that was wrong, but was corrected after award to the Contractor, but before the construction process was materially affected.
- 1.17 ORIGINAL CONTRACT PRICE: The original bid and/or contract price as awarded to a Contractor based upon the CONSULTANT'S final detailed Construction Documents of the Project.
- 1.18 PLANS AND SPECIFICATIONS: The documents setting forth the final design plans and specifications of the Project, including architectural, civil, structural, mechanical, electrical, communications and security systems, materials, lighting equipment, site and landscape design, and other essentials as may be appropriate, all as approved by CITY as provided in this Agreement.
- 1.19 PRELIMINARY PLANS: The documents prepared by the CONSULTANT consisting of preliminary design drawings, renderings and other documents to fix and describe the size and character of the entire Project, and the relationship of Project components to one another and existing features.
- 1.20 PROJECT: An agreed scope of work for accomplishing a specific plan or development. This may include, but is not limited to, planning, architectural, engineering, and construction support services. The services to be provided by the CONSULTANT shall be as defined in this Agreement and further detailed in Task Orders for individual projects or combinations of projects. The Project planning, design and construction may occur in separate phases and Task Orders at the CITY's discretion.
- 1.21 RESIDENT PROJECT REPRESENTATIVE: Individuals or entities selected, employed, compensated by and directed to perform services on behalf of CITY, in monitoring the Construction Phase of the Project to completion.
- 1.22 TASK ORDER: A document setting forth a detailed scope of services to be performed by CONSULTANT upon authorization of the CITY.
- 1.23 TIME OF COMPLETION: Time in which the entire work shall be completed for each Task Order.

ARTICLE 2
PREAMBLE

In order to establish the background, context and frame of reference for this Agreement and to generally express the objectives and intentions of the respective parties hereto, the following statements, representations and explanations shall be accepted as predicates for the undertakings and commitments included within the provisions of this Agreement which follow and may be relied upon by the parties as essential elements of the mutual considerations upon which this Agreement is based.

- 2.1 Pursuant to Section 287.055, Florida Statutes, CITY has formed a Committee to evaluate the CONSULTANT's statement of qualifications and performance data to ensure that the CONSULTANT has met the requirements of the Consultants' Competitive Negotiation Act, as set forth in Section 287.055, Florida Statutes, and has selected CONSULTANT to perform services hereunder.

ARTICLE 3
SCOPE OF SERVICES

- 3.1 The CONSULTANT shall perform the following professional services: Consulting services for landscape architectural and civil engineering services for the Fort Lauderdale Beach Streetscape Improvement Project, more specifically described in Exhibit "A," and Exhibit "B" Scope of Services, attached hereto and incorporated herein. CONSULTANT shall provide all services set forth in Exhibit "A" and further described in Exhibit "B" including all necessary, incidental and related activities and services required by the Scope of Services and contemplated in CONSULTANT's level of effort.
- 3.2 CITY and CONSULTANT acknowledge that the Scope of Services does not delineate every detail and minor work tasks required to be performed by CONSULTANT to complete the Project. If, during the course of the performance of the services included in this Agreement, CONSULTANT determines that work should be performed to complete the Project which is in the CONSULTANT's opinion, outside the level of effort originally anticipated, whether or not the Scope of Services identifies the work items, CONSULTANT shall notify Contract Administrator and obtain written approval by the CITY in a timely manner before proceeding with the work. If CONSULTANT proceeds with said work without notifying the Contract Administrator, said work shall be deemed to be within the original level of effort, whether or not specifically addressed in the Scope of Services. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. Performance of work by CONSULTANT outside the originally anticipated level of effort without prior written CITY approval is at CONSULTANT's sole risk.
- 3.3 CITY and CONSULTANT acknowledge that Basic Services described in Exhibit "A" and Exhibit "B" are included in the fee agreed upon. The CITY and CONSULTANT may negotiate additional scopes of services, compensation, time

of performance and other related matters for future phases of Project. If CITY and CONSULTANT cannot contractually agree, CITY shall have the right to immediately terminate negotiations at no cost to CITY and procure services for future Project phases from another source.

ARTICLE 4 GENERAL PROVISIONS

- 4.1 Negotiations pertaining to the professional design, engineering, architectural and project management services to be performed by the CONSULTANT have been undertaken between CONSULTANT and a committee of CITY representatives pursuant to Section 287.055, Florida Statutes, and this Agreement incorporates the results of such negotiation.
- 4.2 CONSULTANT shall include CITY's specific Task Order number as part of the heading on all correspondence, invoices and drawings. All correspondence shall be directed specifically to the Contract Administrator.

ARTICLE 5 TASK ORDERS FOR ADDITIONAL SERVICES

- 5.1 Task Orders for additional services shall be jointly prepared by the CITY and CONSULTANT defining the detailed scope of services to be provided for the Project. Each Task Order shall be separately numbered and approved in accordance with this Agreement and all applicable CITY code requirements. These Task Orders shall be considered supplemental to the general description of basic services as described in Exhibit "A" and Exhibit "B".
- 5.2 Under all Task Orders and Projects, CITY may require the CONSULTANT, by specific written authorization, and for mutually agreed upon additional compensation, to provide or assist in obtaining one or more of the following special services. These services may include, at the discretion of the CITY, the following items:
 - 5.2.1 Providing additional copies of reports, contract drawings and documents; and
 - 5.2.2 Assisting CITY with litigation support services arising from the planning, development, or construction.
- 5.3 Prior to initiating the performance of any services under this Agreement, CONSULTANT must receive a written Notice to Proceed / Purchase Order from the CITY. The CONSULTANT must receive the approval of the Contract Administrator or his designee in writing prior to beginning the performance of services in any subsequent Task Order under this Agreement.

- 5.4 In the event CONSULTANT is unable to complete the services on the date or dates as provided in this Agreement, or subsequent Task Orders, because of delays resulting from the untimely review and approval by CITY and other governmental authorities having jurisdiction over the Project, CITY may grant an appropriate extension of time for completion of the work. It shall be the responsibility of the CONSULTANT to notify the CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform the CITY of all facts and details related to the delay.
- 5.5 If, in the opinion of the CITY, the CONSULTANT is improperly performing the services under a specific supplemental Task Order, or if at any time the CITY shall be of the opinion that said supplemental Task Order is being unnecessarily delayed and will not be completed within the agreed upon time, the CITY shall notify the CONSULTANT in writing. The CONSULTANT has within ten (10) working days thereafter to take such measures as will, in the judgment of the CITY, ensure satisfactory performance and completion of the work. If the CONSULTANT fails to cure within the ten (10) working days, the CITY may notify the CONSULTANT to discontinue all work under the specified Task Order. The CONSULTANT shall immediately respect said notice and stop said work and cease to have any rights in the possession of the work and shall forfeit the Task Order and any remaining monies. The CITY may then decide, after City Commission approval, to issue a new supplemental Task Order for the uncompleted work to another consultant using the remaining funds. Any excess costs arising therefrom over and above the original supplemental Task Order price shall be charged against CONSULTANT, as the original CONSULTANT.

ARTICLE 6
TERM OF AGREEMENT; TIME FOR PERFORMANCE

- 6.1 CONSULTANT shall perform the basic services described in Exhibit "A" and Exhibit "B" within the time periods specified in Exhibit "B". Said time periods shall commence from the date of the Notice to Proceed for such services.
- 6.2 Prior to beginning the performance of any services under this Agreement, CONSULTANT must receive a Notice to Proceed and a purchase order. CONSULTANT must receive written approval from the Contract Administrator prior to beginning the performance of services in any subsequent phases of the Agreement. Prior to granting approval for CONSULTANT to proceed to a subsequent phase, the Contract Administrator may, at his or her sole option, require CONSULTANT to submit itemized deliverables for the Contract Administrator's review.
- 6.3 In the event CONSULTANT is unable to complete the above services because of delays resulting from untimely review by CITY or other governmental authorities having jurisdiction over the Project, and such delays are not the fault of CONSULTANT, or because of delays which were caused by factors outside the control of CONSULTANT, CITY shall grant a reasonable extension of time for

completion of the services and shall provide reasonable compensation, if appropriate. It shall be the responsibility of the CONSULTANT to notify CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform CITY of all facts and details related to the delay.

- 6.4 The time for the performance of services described in Exhibit "A" and Exhibit "B" Scope of Services and supplemental Task Orders shall be negotiated by the CITY and the CONSULTANT as the services are requested and authorized by the CITY.
- 6.5 The Term of this Agreement shall be limited to the time required to complete the Basic Services of the Project and any additional Project related Task Orders for additional services.

ARTICLE 7 COMPENSATION AND METHOD OF PAYMENT

7.1 AMOUNT AND METHOD OF COMPENSATION

7.1.1 Not To Exceed Amount Compensation

CITY agrees to pay CONSULTANT as compensation for performance of basic services as related to Exhibit "A" and Exhibit "B" required under the terms of this Agreement up to a Not to Exceed Amount of \$1,104,955.42, and to reimburse CONSULTANT for Reimbursables as described in Section 7.2, up to a Not to Exceed Amount of \$12,660., for a total Not to Exceed Amount of \$1,117,615.42. It is agreed that the method of compensation is that of "Not to Exceed Amount" which means that CONSULTANT shall perform all services set forth in Exhibit "A" and further described in Exhibit "B" for total compensation in the amount of or less than that stated above. The total hourly rates payable by CITY for each of CONSULTANT's employee categories are shown on Exhibit "C."

7.2 REIMBURSABLES

- 7.2.1 Direct non-salary expenses, entitled Reimbursables, directly attributable to the Project will be charged at actual cost. Reimbursable expenses are in addition to the compensation for basic services and include actual expenditures made by the CONSULTANT and the CONSULTANT'S employees directly attributable to the Project and will be charged at actual cost, without reference to the professional service fees above. CITY shall not withhold retainage from payments for Reimbursable Expenses. CONSULTANT shall be compensated for Reimbursables associated with a particular Task Order only up to the amount allocated for such Task Order. Any reimbursable or portion thereof which, when added to the

Reimbursables related to a particular Task Order previously billed, exceeds the amount allocated for such Task Order shall be the responsibility of the CONSULTANT unless otherwise agreed to in writing by the Contract Administrator. Travel and subsistence expenses for the CONSULTANT, his staff and subconsultants and communication expenses, long distance telephone, courier and express mail between CONSULTANT's and subconsultants' various offices are not reimbursable under this Agreement. Reimbursables shall include only the following listed expenses unless authorized in writing by the Contract Administrator:

A. Cost of reproduction, postage and handling of drawings and specifications which are required to deliver services set forth in this Agreement, excluding reproductions for the office use of the CONSULTANT. Reimbursable printing and photocopying expenses shall include only those prints or photocopies of original documents which are (i) exchanged among CONSULTANT, CITY and other third parties retained or employed by any of them or (ii) submitted to CITY for review, approval or further distribution. Documents, which are reproduced for CONSULTANT's internal drafts, reviews, or other purposes, are not eligible for reimbursement.

B. Identifiable testing costs approved by Contract Administrator.

C. All permit fees paid to regulatory agencies for approvals directly attributable to the Project. These permit fees do not include those permits required for the construction Contractor.

D. Overnight Delivery/Courier Charges (when CITY requires/requests this service).

7.2.2 Reimbursable subconsultant expenses are limited to the items described above when the subconsultant agreement provides for reimbursable expenses. A detailed statement of expenses must accompany any request for reimbursement. Local travel to and from the Project site or within the Tri-County Area will not be reimbursed.

7.2.3 It is acknowledged and agreed to by CONSULTANT that the dollar limitation set forth in each Task Order is a limitation upon, and describes the maximum extent of CITY's obligation to reimburse CONSULTANT for direct, nonsalary expenses, but does not constitute a limitation, of any sort, upon CONSULTANT's obligation to incur such expenses in the performance of services hereunder. If CITY or Contract Administrator requests CONSULTANT to incur expenses not contemplated in the amount for Reimbursables, CONSULTANT shall notify Contract Administrator in writing before incurring such expenses. Any such expenses shall be reviewed and approved by CITY prior to incurring such expenses.

7.3 METHOD OF BILLING

7.3.1 Not To Exceed Amount Compensation

CONSULTANT shall submit billings, which are identified by the specific project number on a monthly basis in a timely manner for all salary costs and Reimbursables attributable to the Project. These billings shall identify the nature of the work performed, the total hours of work performed and the employee category of the individuals performing same. Billings shall itemize and summarize Reimbursables by category and identify same as to the personnel incurring the expense and the nature of the work with which such expense was associated. Where prior written approval by Contract Administrator is required for Reimbursables, a copy of said approval shall accompany the billing for such Reimbursables. The statement shall show a summary of salary costs and Reimbursables with accrual of the total and credits for portions paid previously. External Reimbursables and subconsultant fees must be documented by copies of invoices or receipts, which describe the nature of the expenses and contain a project number or other identifier, which clearly indicates the expense, as identifiable to the Project. Except for meals and travel expenses, it shall be deemed unacceptable for the CONSULTANT to modify the invoice or receipt by adding a project number or other identifier. Internal expenses must be documented by appropriate CONSULTANT's cost accounting forms with a summary of charges by category. When requested, CONSULTANT shall provide backup for past and current invoices that records hours and salary costs by employee category, Reimbursables by category, and subconsultant fees on a task basis, so that total hours and costs by task may be determined.

7.4 METHOD OF PAYMENT

- 7.4.1 CITY shall pay CONSULTANT in accordance with the Florida Prompt Payment Act. To be deemed proper, all invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by Contract Administrator.
- 7.4.2 CITY will review CONSULTANT's invoices and, if inaccuracies or errors are discovered in said invoice, CITY will inform CONSULTANT within ten (10) working days by fax and/or by email of such inaccuracies or errors and request that revised copies of all such documents be re-submitted by CONSULTANT to CITY.
- 7.4.3 Upon mutual agreement by both CITY and CONSULTANT, payment shall be made by CITY to CONSULTANT using a CITY P-Card. If payment is not made using a CITY P-Card, payment will be made to CONSULTANT at the following address:

Kimley-Horn and Associates, Inc.
P.O. Box 932520
Atlanta, GA 31193-2520

ARTICLE 8
AMENDMENTS AND CHANGES IN SCOPE OF SERVICES

- 8.1 No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written Amendment prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.
- 8.2 CITY or CONSULTANT may request changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under a Task Order. Such changes must be contained in a written amendment, executed by the parties hereto, with the same formality and of equal dignity herewith, prior to any deviation from the terms of the Task Order including the initiation of any additional services. CITY shall compensate CONSULTANT for such additional services as provided in Article 7.
- 8.3 In the event a dispute between the Contract Administrator and CONSULTANT arises over whether requested services constitute additional services and such dispute cannot be resolved by the Contract Administrator and CONSULTANT, such dispute shall be promptly presented to the City Manager for resolution. The City Manager's decision shall be final and binding on the parties for amounts in the aggregate under \$100,000 per project. In the event of a dispute in an amount over \$100,000, the parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either party may commence litigation to resolve the dispute in Broward County, Florida. Any resolution in favor of CONSULTANT shall be set forth in a written document in accordance with Section 8.2 above. During the pendency of any dispute, CONSULTANT shall promptly perform the disputed services.

ARTICLE 9
CONSULTANT'S RESPONSIBILITIES

- 9.1 The CONSULTANT, following the CITY's approval of the Construction Documents and of the Final Statement of Probable Construction Costs, shall, when so directed and authorized by the CITY, assist the CITY in obtaining bids or negotiated proposals and assist in awarding and preparing contracts for construction. If requested, the CONSULTANT shall review and analyze the proposals received by the CITY, and shall make a recommendation for any award based on CITY's Purchasing Ordinance.

- 9.2 Should the lowest responsible, responsive proposal exceed the Final Statement of Probable Construction Costs by less than 10%, CONSULTANT, at no additional cost to the CITY, shall meet with the CITY's representatives and work to reduce costs to bring the Original Contract Price within the Final Statement of Probable Construction Costs. Should the lowest responsible, responsive proposal exceed the Final Statement of Probable Construction Costs by 10% or more, CONSULTANT shall, at the CITY's direction, redesign each Project and/or work with the CITY to reduce the costs to within the Final Statement of Probable Construction Costs at no additional expense to the CITY. If negotiations between the CITY and the CONSULTANT have not commenced within three months after completion of the final design phase, or if industry-wide prices are changed because of unusual or unanticipated events affecting the general level of prices or times of delivery in the construction industry, the established Construction Cost Limit may be adjusted in accordance with the applicable change in the Construction Cost Index for Twenty Cities from the date of completion of the final design phase and the date on which proposals are sought, as published monthly in "Engineering News Record". If each Project scope and design is expanded by the CITY after the CONSULTANT renders the estimated Construction Cost of the Plans and Specifications, the CONSULTANT shall not be responsible for any redesign without compensation.
- 9.3 The CONSULTANT shall provide the CITY with a list of recommended, prospective proposers.
- 9.4 The CONSULTANT shall attend all pre-proposal conferences.
- 9.5 The CONSULTANT shall recommend any addenda, through the Contract Administrator, as appropriate to clarify, correct, or change proposal documents.
- 9.6 If pre-qualification of proposers is required as set forth in the request for proposal, CONSULTANT shall assist the CITY, if requested, in developing qualification criteria, review qualifications and recommend acceptance or rejection of the proposers. If requested, CONSULTANT shall evaluate proposals and proposers, and make recommendations regarding any award by the CITY.
- 9.7 The CITY shall make decisions on all claims regarding interpretation of the Construction Documents, and on all other matters relating to the execution and progress of the work after receiving a recommendation from the CONSULTANT. The CONSULTANT shall check and approve samples, schedules, shop drawings and other submissions for conformance with the concept of each Project, and for compliance with the information given by the Construction Documents. The CONSULTANT may also prepare Change Orders, assemble written guarantees required of the Contractor, and approve progress payments to the Contractor based on each Project Schedule of Values and the percentage of work completed.
- 9.8 The CITY shall maintain a record of all Change Orders which shall be

ARTICLE 10
CITY'S RESPONSIBILITIES

- 10.1 CITY shall assist CONSULTANT by placing at CONSULTANT's disposal all information CITY has available pertinent to the Project including previous reports and any other data relative to design or construction of the Project.
- 10.2 CITY shall arrange for access to, and make all provisions for, CONSULTANT to enter upon public and private property as required for CONSULTANT to perform its services.
- 10.3 CITY shall review the itemized deliverables/documents identified per Task Order.
- 10.4 CITY shall give prompt written notice to CONSULTANT whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of CONSULTANT's services or any defect in the work of the Contractor.

ARTICLE 11
MISCELLANEOUS

11.1 OWNERSHIP OF DOCUMENTS

All documents including, but not limited to, drawings, renderings, models, and specifications prepared or furnished by CONSULTANT, its dependent professional associates and consultants, pursuant to this Agreement shall be owned by the CITY.

Drawings, specifications, designs, models, photographs, reports, surveys and other data prepared in connection with this Agreement are and shall remain the property of the CITY whether the Project for which they are made is executed or not, and are subject to reuse by the CITY in accordance with Section 287.055(10) of the Florida Statutes. They are not intended or represented to be suitable for reuse by the CITY or others on extensions of this Project or on any other project without appropriate verification or adaptation. This does not, however, relieve the CONSULTANT of liability or legal exposure for errors, omissions, or negligent acts made on the part of the CONSULTANT in connection with the proper use of documents prepared under this Agreement. Any such verification or adaptation may entitle the CONSULTANT to further compensation at rates to be agreed upon by the CITY and the CONSULTANT. This shall not limit the CITY's reuse of preliminary or developmental plans or ideas incorporated therein, should the Project be suspended or terminated prior to completion.

11.2 TERMINATION

11.2.1 It is expressly understood and agreed that the CITY may terminate this

categorized according to the various types, causes, etc. that it may be determined are useful or necessary for its purpose. Among those shall be Change Orders identified as architectural/engineering Errors or Omissions.

- 9.8.1 Unless otherwise agreed by both parties in writing, it is specifically agreed that any change to the work identified as an Error on the part of the CONSULTANT shall be considered for purposes of this Agreement to be an additional cost to the CITY which would not be incurred without the Error.
- 9.8.2 Unless otherwise agreed by both parties in writing, it is further specifically agreed for purposes of this Agreement that fifteen percent (15%) of the cost of Change Orders for any item categorized as an Omission shall be considered an additional cost to the CITY which would not be incurred without the Omission. So long as the total of those two numbers (Change Order costs of Errors plus fifteen percent (15%) of Omissions) remains less than two percent (2%) of the total Construction Cost of the Project, the CITY shall not look to the CONSULTANT for reimbursement for Errors and Omissions.
- 9.8.3 Should the sum of the two as defined above (cost of Errors plus fifteen percent (15%) of the cost of Omissions) exceed two percent (2%) of the Construction Cost, the CITY shall recover the full and total additional cost to the CITY as a result of CONSULTANT's Errors and Omissions from the CONSULTANT, that being defined as the cost of Errors plus fifteen percent (15%) of the cost of Omissions above two percent (2%) of the Construction Cost.
- 9.8.4 To obtain such recovery, the CITY shall deduct from the CONSULTANT's fee a sufficient amount to recover all such additional cost to the CITY.
- 9.8.5 In executing this Agreement, the CONSULTANT acknowledges acceptance of these calculations and to the CITY's right to recover same as stated above. The recovery of additional costs to the CITY under this paragraph shall not limit or preclude recovery for other separate and/or additional damages which the CITY may otherwise incur.
- 9.8.6 The Contract Administrator's decision as to whether a Change Order is caused by an Error or caused by an Omission, taking into consideration industry standards, shall be final and binding on both parties for amounts in the aggregate under \$100,000 per project. In the event of a dispute in an amount over \$100,000, the parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either party may commence litigation to resolve the dispute in Broward County, Florida.

Agreement at any time by giving the CONSULTANT notice by telephone, or personally to one of the officers of the CONSULTANT, confirmed by certified mail, return receipt requested, to the principal office of the CONSULTANT. In the event that the Agreement is terminated, the CONSULTANT shall be entitled to be compensated for the services rendered from the date of execution of the Agreement up to the time of termination. Such compensation shall be based on the fee as set forth above, wherever possible. For those portions of services rendered to which the applicable fee cannot be applied, payment shall be based upon the appropriate rates for the actual time spent on the project. In the event that the CONSULTANT abandons this Agreement or through violation of any of the terms and conditions of this Agreement, causes it to be terminated, CONSULTANT shall indemnify the CITY against any loss pertaining to this termination. All finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by CONSULTANT shall become the property of CITY and shall be delivered by CONSULTANT to the CITY within five (5) days of CITY's request. Upon payment of such sum by CITY to CONSULTANT, CITY shall have no further duties or obligations pursuant to or arising from this Agreement. CONSULTANT shall have the right to terminate this Agreement upon the substantial breach by the CITY of its obligations under this Agreement such as unreasonable delay in payment or non-payment of undisputed amounts.

11.2.2 This Agreement may also be terminated by CITY upon such notice as CITY deems appropriate in the event CITY or Contract Administrator determines that termination is necessary to protect the public health, safety, or welfare.

11.2.3 Notice of termination shall be provided in accordance with Section 11.27, NOTICES, except that Contract Administrator may provide a prior verbal stop work order if the Contract Administrator deems a stop work order of this Agreement in whole or in part is necessary to protect the public's health, safety, or welfare. A verbal stop work order shall be promptly confirmed in writing as set forth in Section 11.27, NOTICES.

11.2.4 In the event this Agreement is terminated for convenience, CONSULTANT shall be paid for any services performed to the date the Agreement is terminated. Compensation shall be withheld until all documents specified in Section 11.3 of this Agreement are provided to the CITY. Upon being notified of CITY's election to terminate, CONSULTANT shall refrain from performing further services or incurring additional expenses under the terms of this Agreement. Under no circumstances shall CITY make payment for services which have not been performed.

11.3 AUDIT RIGHT AND RETENTION OF RECORDS

CITY shall have the right to audit the books, records, and accounts of

CONSULTANT that are related to this Project. CONSULTANT shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project.

CONSULTANT shall preserve and make available, at reasonable times for examination and audit by CITY all financial records, supporting documents, statistical records, and any other documents pertinent to this Agreement for the required retention period of the Florida Public Records Act (Chapter 119, Florida Statutes), if applicable, or, if the Florida Public Records Act is not applicable, for a minimum of three (3) years after termination of this Agreement. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer, the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONSULTANT's records, CONSULTANT shall comply with all requirements thereof; however, no confidentiality or non-disclosure requirement of either federal or state law shall be violated by CONSULTANT. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for CITY's disallowance and recovery of any payment upon such entry.

CONSULTANT shall:

- (a) Keep and maintain public records that ordinarily and necessarily would be required by the CITY in order to perform the service.
- (b) Provide the public with access to public records on the same terms and conditions that the CITY would provide the records and at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (d) Meet all requirements for retaining public records and transfer, at no cost, to the CITY all public records in possession of the CONSULTANT upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the CITY in a format that is compatible with the information technology systems of the CITY.

If the CONSULTANT does not comply with a public records request, the CITY shall enforce these provisions in accordance with this Agreement

11.4 NON DISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT

CONSULTANT shall not unlawfully discriminate against any person in its operations and activities in its use or expenditure of the funds or any portion of the funds provided by this Agreement and shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded in whole or in part by CITY, including Titles I and II of the ADA (regarding nondiscrimination or the basis of disability), and all applicable regulations, guidelines, and standards.

CONSULTANT's decisions regarding the delivery of services under this Agreement shall be made without regard to or consideration of race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation, or any other factor which cannot be lawfully or appropriately used as a basis for service delivery.

CONSULTANT shall comply with Title I of the Americans with Disabilities Act regarding nondiscrimination on the basis of disability in employment and further shall not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, CONSULTANT shall take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

CONSULTANT shall take affirmative action to ensure that applicants are employed and employees are treated without regard to race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability during employment. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

11.5 MINORITY PARTICIPATION

Historically, the CITY has been able to achieve participation levels of approximately twelve percent (12%) by MBE/WBE firms in CITY projects, and in the purchase of goods and services. The CONSULTANT shall make a good faith effort to help the CITY maintain and encourage MBE/WBE participation levels consistent with such historical levels and market conditions. The CONSULTANT will be required to document all such efforts and supply the CITY with this documentation at the end of the Project, or in cases where projects are longer than one year, each CITY fiscal year.

11.6 PUBLIC ENTITY CRIMES ACT

CONSULTANT represents that the execution of this Agreement will not violate the Public Entity Crimes Act (Section 287.133, Florida Statutes), which essentially provides that a person or affiliate who is a contractor, consultant or other provider and who has been placed on the convicted vendor list following a conviction for a "public entity crime", as defined by Section 287.133, Florida Statutes, may not submit a bid on a contract to provide any goods or services to CITY, may not submit a bid on a contract with CITY for the construction or repair of a public building or public work, may not submit bids on leases of real property to CITY, may not be awarded or perform work as a contractor, supplier, subconsultant, or consultant under a contract with CITY, and may not transact any business with CITY in excess of the threshold amount provided in Section 287.017, Florida Statutes, for category two purchases for a period of 36 months from the date of being placed on the convicted vendor list. Violation of this section shall result in termination of this Agreement and recovery of all monies paid hereto, and may result in debarment from CITY's competitive procurement activities.

In addition to the foregoing, CONSULTANT further represents that there has been no determination, based on an audit, that it committed an act defined by Section 287.133, Florida Statutes, as a "public entity crime" and that it has not been formally charged with committing an act defined as a "public entity crime" regardless of the amount of money involved or whether CONSULTANT has been placed on the convicted vendor list.

11.7 SUBCONSULTANTS

11.7.1 CONSULTANT may subcontract certain items of work to subconsultant. The parties expressly agree that the CONSULTANT shall submit pertinent information regarding the proposed subconsultant, including subconsultant's scope of work and fees, for review and approval by the CITY prior to subconsultants proceeding with any work.

11.7.2 CONSULTANT shall utilize the subconsultants identified in the proposal that were a material part of the selection of CONSULTANT to provide the services for this Project. CONSULTANT shall obtain written approval of Contract Administrator prior to changing or modifying the list of subconsultants submitted by CONSULTANT.

The list of subconsultants submitted is as follows:

Keith and Associates, Inc.
Dickey Consulting Services, Inc.
C.M.S.-Construction Management Services, Inc.
EDSA, Inc.
Johnson, Avedano, Lopez, Rodriguez & Walewski Engineering Group, Inc.
ACAI Associates, Inc.

S&F Engineers, Inc.
Tierra South Florida, Inc.

11.8 ASSIGNMENT AND PERFORMANCE

Neither this Agreement nor any interest herein shall be assigned, transferred, or encumbered without the written consent of the other party, and CONSULTANT shall not subcontract any portion of the work required by this Agreement except as authorized pursuant to Section 11.7.

CONSULTANT represents that all persons delivering the services required by this Agreement have the knowledge and skills, either by training, experience, education, or a combination thereof, to adequately and competently perform the duties, obligations, and services set forth in the Scope of Services and to provide and perform such services to CITY's satisfaction for the agreed compensation.

CONSULTANT shall perform its duties, obligations, and services under this Agreement in a skillful and respectable manner. The quality of CONSULTANT's performance and all interim and final product(s) provided to or on behalf of CITY shall meet or exceed all professional standards of the State of Florida.

11.9 INDEMNIFICATION OF CITY

11.9.1 CONSULTANT shall indemnify and hold harmless CITY, its officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional wrongful conduct of CONSULTANT, and other persons employed or utilized by CONSULTANT in the performance of the duties under this Agreement. The provisions of this Section shall survive the expiration or early termination of this Agreement. To the extent considered necessary by Contract Administrator and City Attorney, any sums due to the CONSULTANT under this Agreement may be retained by CITY until all of CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.

11.9.2 It is specifically understood and agreed that the consideration inuring to the CONSULTANT for the execution of this Agreement are the promises, payments, covenants, rights and responsibilities contained herein and the award of this Agreement to the CONSULTANT.

11.9.3 The execution of this Agreement by the CONSULTANT shall obligate the CONSULTANT to comply with the foregoing indemnification provision.

11.10 LIMITATION OF CITY'S LIABILITY

The CITY desires to enter into this Agreement only if in so doing the CITY can place a limit on the CITY'S liability for any cause of action arising out of this Agreement, so that the CITY'S liability for any breach never exceeds the sum of \$100.00. For other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the CONSULTANT expresses its willingness to enter into this Agreement with the knowledge that the CONSULTANT'S recovery from the CITY to any action or claim arising from the Agreement is limited to a maximum amount of \$100.00 less the amount of all funds actually paid by the CITY to the CONSULTANT pursuant to this Agreement. Accordingly, and notwithstanding any other term or condition of this Agreement that may suggest otherwise, the CONSULTANT agrees that the CITY shall not be liable to the CONSULTANT for damages in an amount in excess of \$100.00, which amount shall be reduced by the amount actually paid by the CITY to the CONSULTANT pursuant to this Agreement, for any action or claim arising out of this Agreement. Nothing contained in this paragraph or elsewhere in this Agreement is in any manner intended either to be a waiver of the limitation placed upon the CITY'S liability as set forth in Section 768.28, Florida Statutes, or to extend the CITY'S liability beyond the limits established in said Section 768.28; and no claim or award against the CITY shall include attorney's fees, investigative costs, extended damages, expert fees, suit costs or pre-judgment interest. Notwithstanding the foregoing, the parties agree and understand that the provisions of this Article 11.10 do not apply to monies owed, if any, for services rendered to CONSULTANT by the CITY under the provisions of this Agreement.

11.11 INSURANCE

11.11.1 CONSULTANT shall provide and shall require all of its subconsultants and sub-contractors to provide, pay for, and maintain in force at all times during the term of the Agreement, such insurance, including Commercial General Liability Insurance, Business Automobile Liability Insurance, Workers' Compensation Insurance, Employer's Liability Insurance, and Professional Liability Insurance, as stated below. Such policy or policies shall be issued by companies authorized to do business in the State of Florida and having agents upon whom service of process may be made in the State of Florida.

- A. The City is required to be named as additional insured on the Commercial General Liability insurance policy. BINDERS ARE UNACCEPTABLE. The insurance coverage required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the CONSULTANT. Any exclusions or provisions in the insurance maintained by the CONSULTANT that precludes coverage for the work contemplated in this Agreement shall be deemed unacceptable, and shall be considered a breach of contract.

Including Hired, Borrowed or Non-Owned Autos
Any One Accident \$1,000,000

- B. Endorsements Required:
Waiver of Subrogation

11.11.4 WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY

Limits: Workers' Compensation – Per Florida Statute 440
Employers' Liability - \$500,000

Any firm performing work on behalf of the City of Fort Lauderdale must provide Workers' Compensation insurance. Exceptions and exemptions can only be made if they are in accordance with Florida Statute. For additional information contact the Department of Financial Services, Workers' Compensation Division at (850) 413-1601 or on the web at www.fldfs.com.

CONSULTANT must be in compliance with all applicable State and Federal workers' compensation laws, including the U.S. Longshore Harbor Workers' Act or Jones Act.

11.11.5 PROFESSIONAL LIABILITY/ERRORS AND OMISSIONS COVERAGE

Each Claim \$1,000,000
General Aggregate Limit \$2,000,000
Deductible- not to exceed \$100,000

- 11.11.6 All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The CONSULTANT's insurance must be provided by an A.M. Best's "A-" rated or better insurance company authorized to issue insurance policies in the State of Florida, subject to approval by the City's Risk Manager. Any exclusions or provisions in the insurance maintained by the CONSULTANT that precludes coverage for work contemplated in this project shall be deemed unacceptable, and shall be considered breach of contract.

Compliance with the foregoing requirements shall not relieve the CONSULTANT of their liability and obligation under this section or under any other section of this Agreement.

The CONSULTANT shall be responsible for assuring that the insurance certificates required in conjunction with this Section remain in force for the duration of the Project. If insurance certificates are scheduled to expire during the contractual period, the CONSULTANT shall be

- B. The CONSULTANT shall provide the CITY an original Certificate of Insurance for policies required by Article 11. All certificates shall state that the CITY shall be given ten (10) days notice prior to expiration or cancellation of the policy. The insurance provided shall be endorsed or amended to comply with this notice requirement. In the event that the insurer is unable to accommodate, it shall be the responsibility of the CONSULTANT to provide the proper notice. Such notification will be in writing by registered mail, return receipt requested and addressed to the Finance Department. Such policies shall: (1) name the insurance company or companies affording coverage acceptable to the CITY, (2) state the effective and expiration dates of the policies, (3) include special endorsements where necessary. Such policies provided under Article 11 shall not be affected by any other policy of insurance, which the CITY may carry in its own name.
- C. CONSULTANT shall as a condition precedent of this Agreement, furnish to the City of Fort Lauderdale, c/o Project Manager, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, Certificate(s) of Insurance upon execution of this Agreement, which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

11.11.2 COMMERCIAL GENERAL LIABILITY

- A. Limits of Liability:
- | | |
|---|-------------|
| Bodily Injury and Property Damage - Combined Single Limit | |
| Each Occurrence | \$1,000,000 |
| Project Aggregate | \$1,000,000 |
| General Aggregate | \$2,000,000 |
| Personal Injury | \$1,000,000 |
| Products/Completed Operations | \$1,000,000 |
- B. Endorsements Required:
- City of Fort Lauderdale included as an Additional Insured
 - Broad Form Contractual Liability
 - Waiver of Subrogation
 - Premises/Operations
 - Products/Completed Operations
 - Independent Contractors
 - Owners and Contractors Protective Liability

11.11.3 BUSINESS AUTOMOBILE LIABILITY

- A. Limits of Liability:
- Bodily Injury and Property Damage - Combined Single Limit
 - All Autos used in completing the contract

responsible for submitting new or renewed insurance certificates to the CITY at a minimum of thirty (30) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates that cover the contractual period, the CITY shall:

- A. Suspend the Agreement until such time as the new or renewed certificates are received by the CITY.
- B. The CITY may, at its sole discretion, terminate the Agreement for cause and seek damages from the CONSULTANT in conjunction with the violation of the terms and conditions of the Agreement.

11.12 REPRESENTATIVE OF CITY AND CONSULTANT

11.12.1 The parties recognize that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon CONSULTANT's request, shall advise CONSULTANT in writing of one (1) or more CITY employees to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

11.12.2 CONSULTANT shall inform the Contract Administrator in writing of CONSULTANT's representative to whom matters involving the conduct of the Project shall be addressed.

11.13 ALL PRIOR AGREEMENTS SUPERSEDED

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein; and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written.

It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

11.14 CONSULTANT'S STAFF

CONSULTANT will provide the key staff identified in their proposal for the Project as long as said key staff are in CONSULTANT's employment.

CONSULTANT will obtain prior written approval of Contract Administrator to change key staff. CONSULTANT shall provide Contract Administrator with such information as necessary to determine the suitability of any proposed new key staff. Contract Administrator will be reasonable in evaluating key staff

qualifications.

If Contract Administrator desires to request removal of any of CONSULTANT's staff, Contract Administrator shall first meet with CONSULTANT and provide reasonable justification for said removal.

11.15 INDEPENDENT CONTRACTOR

CONSULTANT is an independent contractor under this Agreement. Services provided by CONSULTANT shall be subject to the supervision of CONSULTANT. In providing the services, CONSULTANT or its agents shall not be acting and shall not be deemed as acting as officers, employees, or agents of the CITY. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this Agreement shall be those of CONSULTANT. The parties expressly acknowledge that it is not their intent to create any rights or obligations in any third person or entity under this Agreement.

11.16 THIRD PARTY BENEFICIARIES

Neither CONSULTANT nor CITY intends to directly or substantially benefit a third party by this Agreement. Therefore, the parties agree that there are no third party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against either of them based upon this Agreement.

11.17 CONFLICTS

Neither CONSULTANT nor its employees shall have or hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONSULTANT's loyal and conscientious exercise of judgment related to its performance under this Agreement.

CONSULTANT agrees that none of its officers or employees shall, during the term of this Agreement, serve as expert witness against CITY in any legal or administrative proceeding in which he or she is not a party, unless compelled by court process, nor shall such persons give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY or in connection with any such pending or threatened legal or administrative proceeding. The limitations of this Section shall not preclude such persons from representing themselves in any action or in any administrative or legal proceeding.

In the event CONSULTANT is permitted to utilize subconsultants to perform any services required by this Agreement, CONSULTANT agrees to prohibit such subconsultants, by written contract, from having any conflicts as within the meaning of this Section.

11.18 CONTINGENCY FEE

CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONSULTANT, to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for CONSULTANT, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For a breach or violation of this provision the City Commission shall have the right to terminate this Agreement without liability at its discretion, or to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.

11.19 WAIVER OF BREACH AND MATERIALITY

Failure by CITY to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement.

CITY and CONSULTANT agree that each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof.

11.20 COMPLIANCE WITH LAWS

CONSULTANT shall comply with all federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations related to this Agreement.

11.21 SEVERANCE

In the event this Agreement or a portion of this Agreement is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective unless CITY or CONSULTANT elects to terminate this Agreement. The election to terminate this Agreement based upon this provision shall be made within seven (7) days after the findings by the court become final.

11.22 JOINT PREPARATION

Preparation of this Agreement has been a joint effort of CITY and CONSULTANT and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than any other.

11.23 PRIORITY OF PROVISIONS

If there is a conflict or inconsistency between any term, statement, requirement, or provision of any exhibit attached hereto, any document or events referred to herein, or any document incorporated into this Agreement by reference and a term, statement, requirement, or provision of this Agreement, the term,

statement, requirement, or provision contained in Articles 1-11 of this Agreement shall prevail and be given effect.

11.24 APPLICABLE LAW AND VENUE

This Agreement shall be construed with and governed by the laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this Agreement and for any other legal proceeding shall be in Broward County, Florida, and in the event of federal jurisdiction, in the Southern District of Florida.

11.25 EXHIBITS

Each Exhibit referred to in this Agreement forms an essential part of this Agreement. The Exhibits, if not physically attached, should be treated as part of this Agreement, and are incorporated herein by reference.

11.26 THREE ORIGINAL AGREEMENTS

This Agreement shall be executed in three (3), signed Agreements, with each one treated as an original.

11.27 NOTICES

Whenever either party desires to give notice unto the other, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the party for whom it is intended, at the place last specified, and the place for giving of notice in compliance with the provisions of this paragraph. For the present, the parties designate the following as the respective places for giving of notice, to-wit:

CITY: City Engineer
 City of Fort Lauderdale
 100 North Andrews Avenue
 Fort Lauderdale, FL 33301
 Telephone: (954) 828-5772

With a copy to: City Manager
 City of Fort Lauderdale
 100 North Andrews Avenue
 Fort Lauderdale, FL 33301
 Telephone: (954) 828-5364

 City Attorney
 City of Fort Lauderdale
 100 North Andrews Avenue
 Fort Lauderdale, FL 33301
 Telephone : (954) 828-5037

CONSULTANT: Kimley-Horn and Associates
Mr. Marwan Mufleh, P.E.
5200 NW 33rd Avenue, Suite 109
Fort Lauderdale, FL 33309

11.28 ATTORNEY FEES

If CITY or CONSULTANT incurs any expense in enforcing the terms of this Agreement through litigation, the prevailing party in that litigation shall be reimbursed for all such costs and expenses, including but not limited to court costs, and reasonable attorney fees incurred during litigation.

11.29 PERMITS, LICENSES AND TAXES

CONSULTANT shall, at its own expense, obtain all necessary permits and licenses, pay all applicable fees, and pay all applicable sales, consumer, use and other taxes required to comply with local ordinances, state and federal law. CONSULTANT is responsible for reviewing the pertinent state statutes regarding state taxes and for complying with all requirements therein. Any change in tax laws after the execution of this Agreement will be subject to further negotiation and CONSULTANT shall be responsible for complying with all state tax requirements.

11.30 TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Agreement by CONSULTANT shall act as the execution of a Truth-in-Negotiation Certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to exclude any significant sums, by which the CITY determines that contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such contract adjustments must be made within 1 year following the end of the contract.

11.31 EVALUATION

The CITY maintains the right to periodically review the performance of the CONSULTANT. This review will take into account the timely execution of Task Orders, the quality of the work performed, the cost to the CITY and the good faith efforts made by the CONSULTANT to maintain MBE/WBE participation in CITY projects. Any deficiencies in performance will be described in writing and an opportunity afforded, where practicable, for the CONSULTANT to address and/or remedy such deficiencies.

11.32 STATUTORY COMPLIANCE

CONSULTANT shall prepare all documents and other materials for the Project in accordance with all applicable rules, laws, ordinances and governmental regulations of the State of Florida, Broward County, the City of Fort Lauderdale, Florida and all governmental agencies having jurisdiction over the services to be provided by CONSULTANT under this Agreement or over any aspect or phase of the Project.

11.33 PROHIBITION AGAINST CONTINGENT FEES

The CONSULTANT warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT to solicit or secure this agreement and that he or she has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the CONSULTANT any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this agreement.

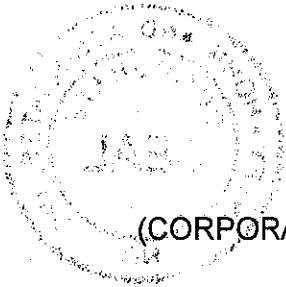
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IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

CITY


CITY OF FORT LAUDERDALE, a
municipal corporation of the State of
Florida

By 
LEE R. FELDMAN, City Manager

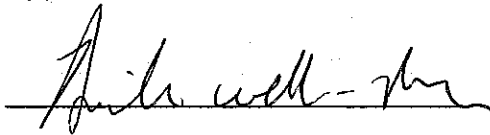


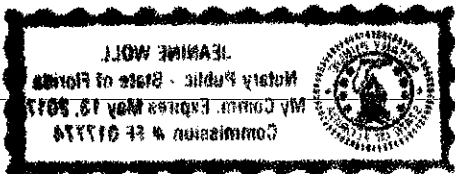
(CORPORATE SEAL)

ATTEST:


JONDA K. JOSEPH
City Clerk

Approved as to form:


Assistant City Attorney



CONSULTANT

WITNESSES:

[Signature]

JASON WEBBER

(Witness print name)

[Signature]

Jackie Carreno

(Witness print name)

Kimley-Horn and Associates, Inc.

By [Signature]

Name: MARWAN MUFLEH

Title: Sr. Vice President

ATTEST:

By [Signature]
Principal
JAMES M. SUMISLASKI



(CORPORATE SEAL)

STATE OF Florida :
COUNTY OF Palm Beach :

The foregoing instrument was acknowledged before me this 7th day of MARCH, 2014, by MARWAN MUFLEH and JAMES SUMISLASKI as Sr. Vice President and Principal respectively, of Kimley-Horn and Associates, Inc. They are personally known to me or have produced _____ as identification.

(SEAL)

[Signature]

Notary Public, State of
(Signature of Notary taking Acknowledgment)

JEANINE WOLL
Name of Notary Typed, Printed or Stamped

My Commission Expires: MAY 13, 2017

FF 017774
Commission Number

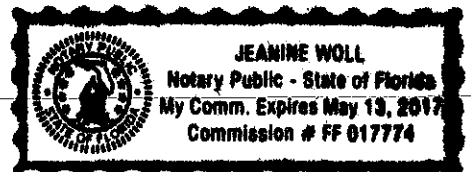


EXHIBIT "A"

SCOPE OF SERVICES

The CONSULTANT shall perform the following professional services related to a contract for Landscape Architecture and Civil Engineering Consultant Services and shall include the following services:

CONSULTANT shall act as an extension of the City Engineering staff and assist with the design and implementation of the Fort Lauderdale Beach Streetscape Improvement Project. Specific areas of the project include streetscape improvements to SR A1A, Almond Avenue and new restrooms at A1A and Sebastian Street.

The services required may include, but not necessarily be limited to, civil engineering, architectural, design and landscape architecture design and review services. The selected CONSULTANT will be responsible for working in cooperation with officials of the City, or their designees, and with the City's engineers and/or architects to supervise and administer the design and construction of the Projects.

CONSULTANT will inspect the building sites and test for soil bearing capacity.

CONSULTANT will advise the City on the most effective way to implement the overall project in terms of time and budget requirements. CONSULTANTs will be required to coordinate and incorporate design details and construction schedules with other consultants working on adjacent Master Plan improvement Project.

CONSULTANT will attend and assist the City with regard to public information and public meetings.

CONSULTANT will be required to provide overall project coordination management.

CONSULTANT will develop work plans, schedules and budgets, coordinate project design, procurement, contract negotiation and contract administration, visit the jobsite regularly to monitor construction progress, provide value engineering when required, monitor and approve payment requisitions from the contractor and consultants, monitor project funding, prepare financial projections as required, provide progress reports and status information on the assigned project to City officials, attend and address meetings with City officials, neighborhood groups, and private citizens concerning the Project, maintain conventional and electronic files (database) of all documentation and correspondence relating to the Project in an orderly system which will be submitted to the City upon completion of the project.

If legal issues should arise relating to the project after completion, the selected CONSULTANT will provide records, depositions and testimony about the project if necessary on a supplementary fee basis.

CONSULTANT or Sub Consultant must be FDOT pre-qualified, at an Unlimited Level

Summary

CONSULTANT or subconsultants will be required to provide some or all of the following services on the Project:

- Assist with project programming.
- Prepare all necessary preliminary plans and elevations, renderings, general features including landscape design and details for DRC and or FDOT approval (as required).
- Prepare roadway lighting analysis, photometrics and FDOT design variance request (based on turtle lighting requirements).
- Coordination of undergrounding utilities with Florida Power and Lighting (FPL).
- Prepare traffic studies, traffic signal and intersection design.
- Provide restroom design and demand analysis.
- Prepare all necessary permits for all state, local and environmental agencies including Florida Department of Environmental Protection (FDEP), Coastal Construction Control Line (CCCL) Permit, Florida Department of Transportation (FDOT) permitting and Florida Fish and Wildlife Conservation Commission (FWC).
- Prepare final working drawings including engineering calculations and drawings, plans for lighting, drainage and other roadway or streetscape appurtenances.
- Inspect project site and test for soil bearing capacity.
- Recommend and suggest materials, construction and necessary adjustments in landscape architectural design to complement the existing beach facilities and or the adjacent Master Plan proposed projects. Inspect construction in the field and insure conformity with plans and material specifications.
- Process request for information submittals, shop drawings, change orders, pay applications, inspection reports and maintain current logs of each.
- Provide assistance with right-of-way acquisition and easements.
- Provide construction management and inspection.
- Prepare financial data with regards to financing and operational expenses.
- Prepare all design and specifications for to LEED requirements for subsequent LEED certification. (City may or may not seek LEED Certification)
- Provide assistance with public outreach including renderings, design and construction informational website and other public information activities.

Quality Assurance/Quality Control:

It is the intention of the City of Fort Lauderdale that the CONSULTANT is held responsible for their work. The CONSULTANT is responsible for the professional quality, technical accuracy and coordination of design, drawings, specification, cost estimates and other services furnished by the CONSULTANT and their subconsultants.

Document Submittal Format

All documents generated as a result of Project will become the property of the City of Fort Lauderdale. All Project documents shall be provided in a digital and hard copy format meeting all City of Fort Lauderdale format requirements. The project drawings shall be prepared in AutoCAD, in the version current to the City Engineering Division at the time that deliverables are due, and shall meet the requirements as set forth in the City's CADD specifications for project drawings current at the time of award of the project. Plot files shall also be prepared and submitted which meet the stated City standards. All reports cost estimates, calculations and project specifications and documents must be submitted in the Microsoft software format version current to the City's Engineering Division.

Team

A landscape architecture / civil engineering team with design experience in high profile landscape architecture design for public and private projects should head the design team. The team should include but is not limited to landscape architects, architects, structural engineers, mechanical engineers, electrical engineers, environmental engineers, civil engineers.

Project Scope of Work

The services required may include, but not necessarily be limited to landscape architecture and civil engineering design and review services. CONSULTANT will be responsible for working in cooperation with officials of the City, or their designees, and with the City's engineers and/or architects to supervise and administer the design and construction of this project.

Project Background

This project is a part of implementing the overall Fort Lauderdale Beach Community Master Plan which can be found on the City's website at www.fortlauderdale.gov.

The overall goals of the project include the following:

Pedestrian Priority Corridor – The project shall be focused on creating a pedestrian priority corridor along SR A1A and Almond Ave. The CONSULTANT shall coordinate and incorporate opportunities for current Greenway plans (www.broward.org).

Legacy Project - This Project will be the legacy of the Beach Community Redevelopment Agency (CRA) which will sunset in 2019. Elements of the project shall be of the highest quality, world class design, useable for residents and recognizable from tourists around the world.

Vision for the Future - The proposed improvements need to be designed for the future including future activity programming, climate change impacts, re-development, transportation innovations, beach events and future population demands of the facility.

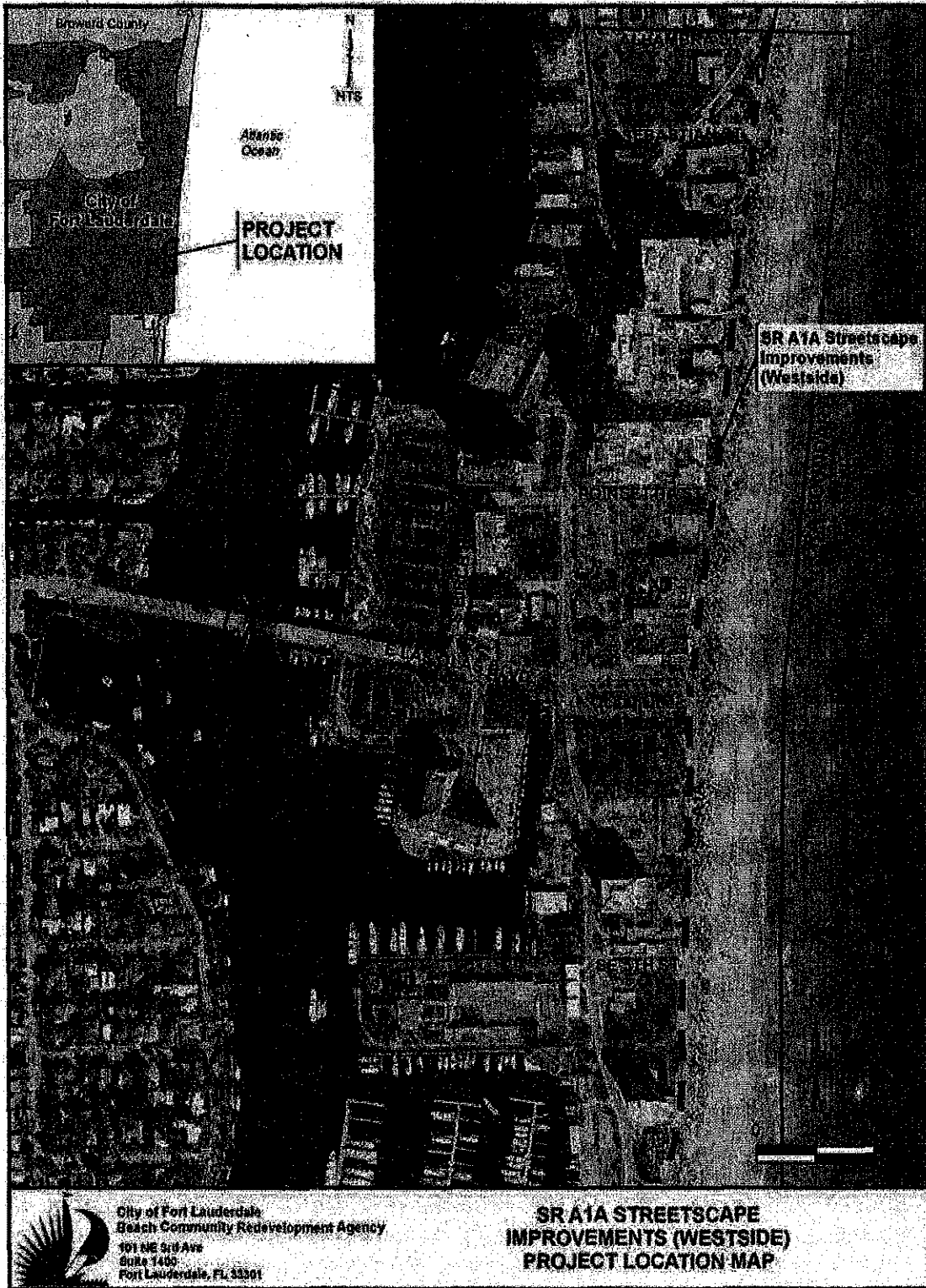
Sustainability – CONSULTANTs shall reference the City's Sustainability Action Plan (SAP) and implement components of the SAP into the design of the project.

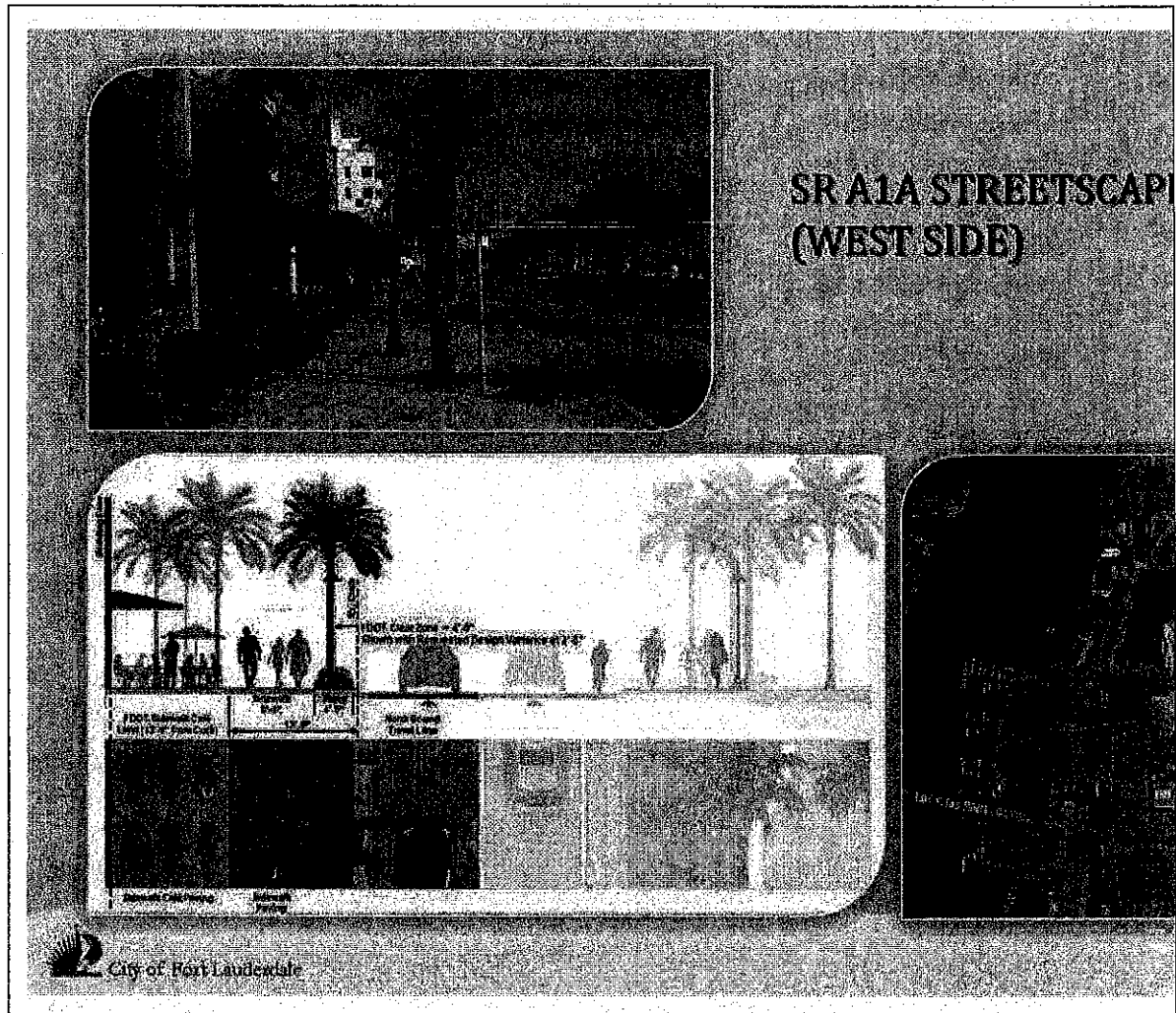
Green Roadway – The CONSULTANTs shall explore all opportunities to incorporate "Green Roadway" innovations and technologies (www.greenroads.com).

Iconic Memorable Place - Currently Fort Lauderdale Beach is world known as a destination for its hotel, shops and restaurants. These Project will be an extension of that reputation for the beach area. All Project shall be developed with continuity with the goal of creating a holistic iconic memorable place.

SPECIFIC PROJECT AREA DESCRIPTIONS

SR A1A – West Side





The goal of the improvements along the west side of SR A1A is to provide a pedestrian friendly unobstructed walkway along the SR A1A corridor. The current pedestrian walkway along the west side of SR A1A from Alhambra Street to the Oasis Café is comprised of trees, lighting and other sidewalk impediments that have been placed at a minimum of 4' from the face of curb to adhere to the FDOT clear zone requirement. The sidewalk café permits from FDOT allow restaurants to place tables and chairs on the sidewalk 13' from the curb face. The combination of the sidewalk café permits, FDOT clear zone requirements, randomly placed coconut trees and other impediments within the sidewalk have caused pedestrian congestion and during peak times forced pedestrians into the street. The goal of the project is to consolidate these amenities along the curbline to provide an unobstructed clear walkway.

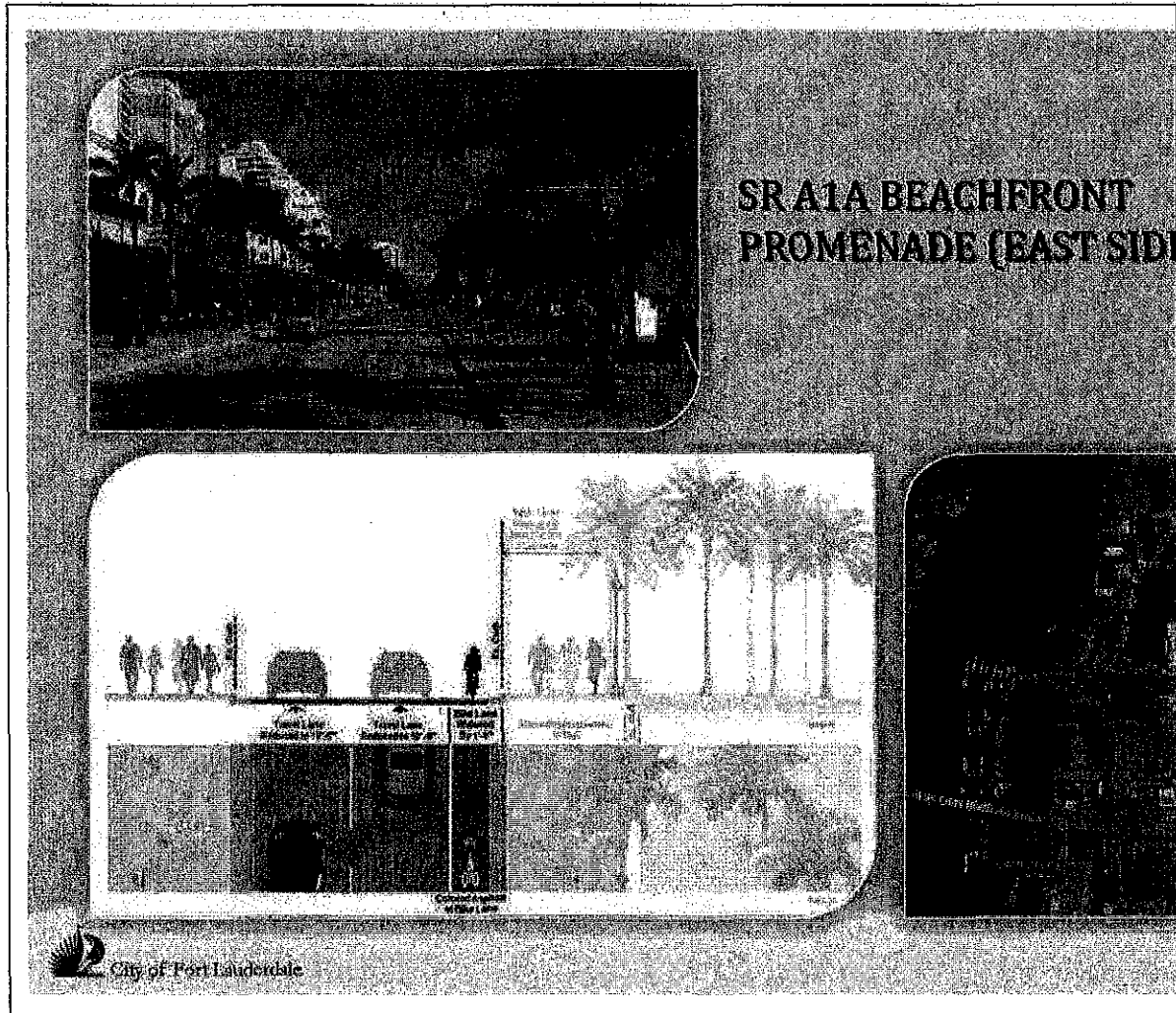
The improvements will be limited to the area between the curbline and face of buildings and may include new lighting, landscaping, special sidewalk paving, lighting bollards and other streetscape amenities. The project will require significant coordination with Florida Department of Environmental Protection (FDEP), Florida Fish and Wildlife Conservation Commission (FWC) and Florida Department of Transportation. Specific

design elements include a design variance request for reducing the clear zone from 4' to 2'-6", lighting analysis and subsequent design variance request for reduced lighting for Turtle Compliance.

Similar improvements north of Alhambra Street to Sunrise Boulevard may be included as additional funding is identified.

A significant business owner and public outreach program will be required during both pre and post construction to ensure success of the project.

SR A1A - East Side



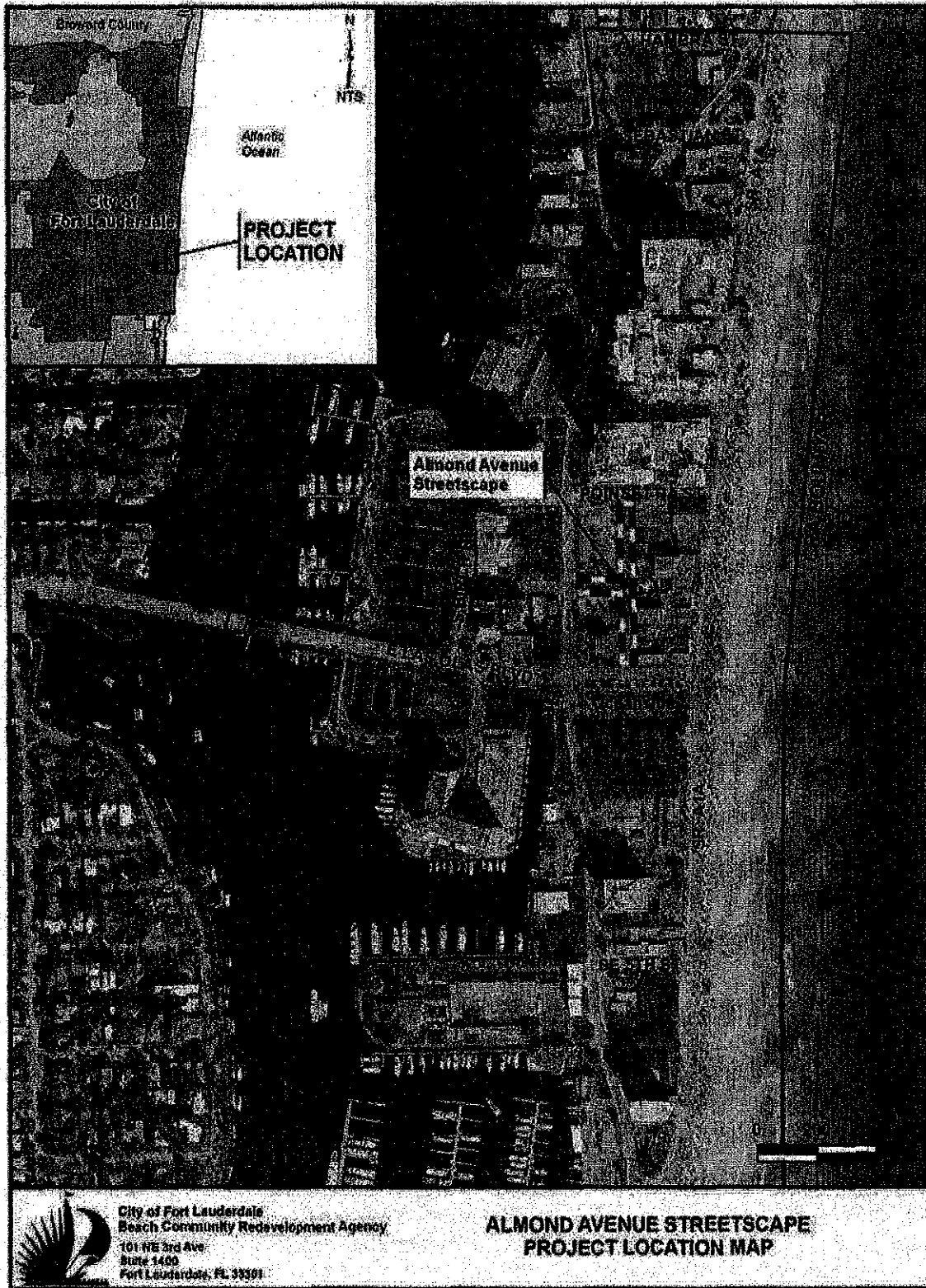
The goals of the improvements along the east side of SR A1A are to provide a pedestrian friendly unobstructed walkway and improve the bike path from Sunrise Blvd to the Oasis Café as part of the overall greenway plan. However, due to funding limitations, the current project scope has been reduced to expanding and enhancing the existing bikes lanes. However, as additional funding may become available, the scope of the project may be expanded to consolidate the streetscape impediments similar to the west side improvements.

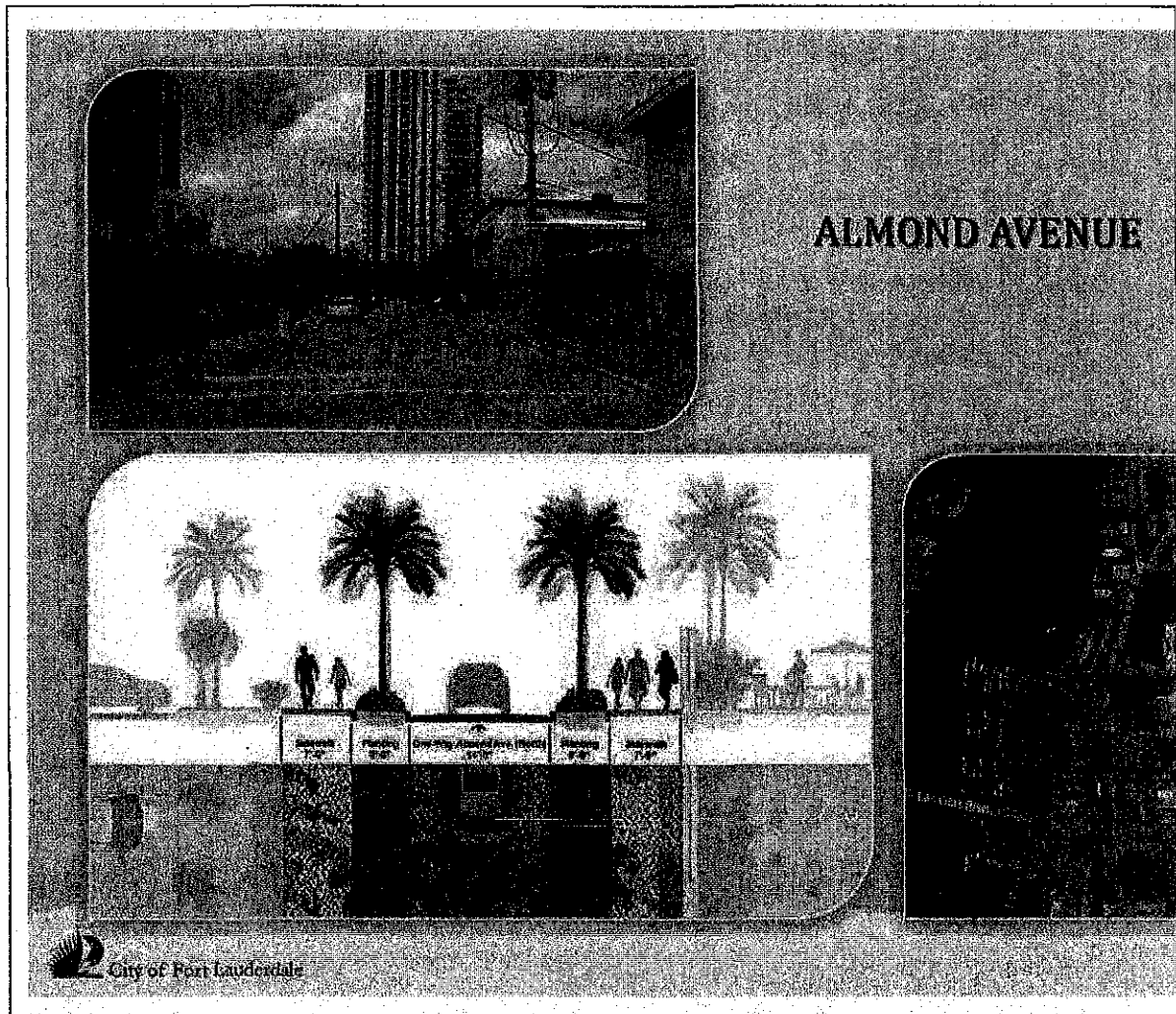
The existing lane configuration of SR A1A includes 11' travel lanes with bike lanes that vary in width and the adjacent sidewalk is comprised sidewalk impediments that have been placed at a minimum of 4' from the face of curb to adhere to the FDOT clear zone requirement. The improvements are currently limited to coordinating with an upcoming FDOT milling and resurfacing project to reconfigure the lane widths to increase the bike lane width and add surface coloring. The CONSULTANT may be requested to provide renderings and estimates of streetscape improvements to be used to request for grant applications, other funding sources and subsequent final design.

The CONSULTANT shall review the October 2009, SR A1A Greenway Ideas and Opportunities Study, the Broward County Greenways System "Greenway Development Guide" and the January 2011 Hugh Taylor Birch State Park Paved Shared-Use Trail Conceptual Plan for opportunities for design compatibility and grant funding.

A significant business owner and public outreach program will be required during both pre and post construction phases to ensure success of the project.

Almond Avenue Reconstruction





The goal of the Almond Avenue improvements is to create a pedestrian oriented streetscape facility that will stimulate private investment on the adjacent parcels that will contribute to realizing the urban beach village that has long been envisioned for the Central Beach. Located north of Las Olas Boulevard opposite Oceanside Plaza, Almond Avenue is at the core of the entertainment district where a diversity of uses could activate pedestrian oriented streets.

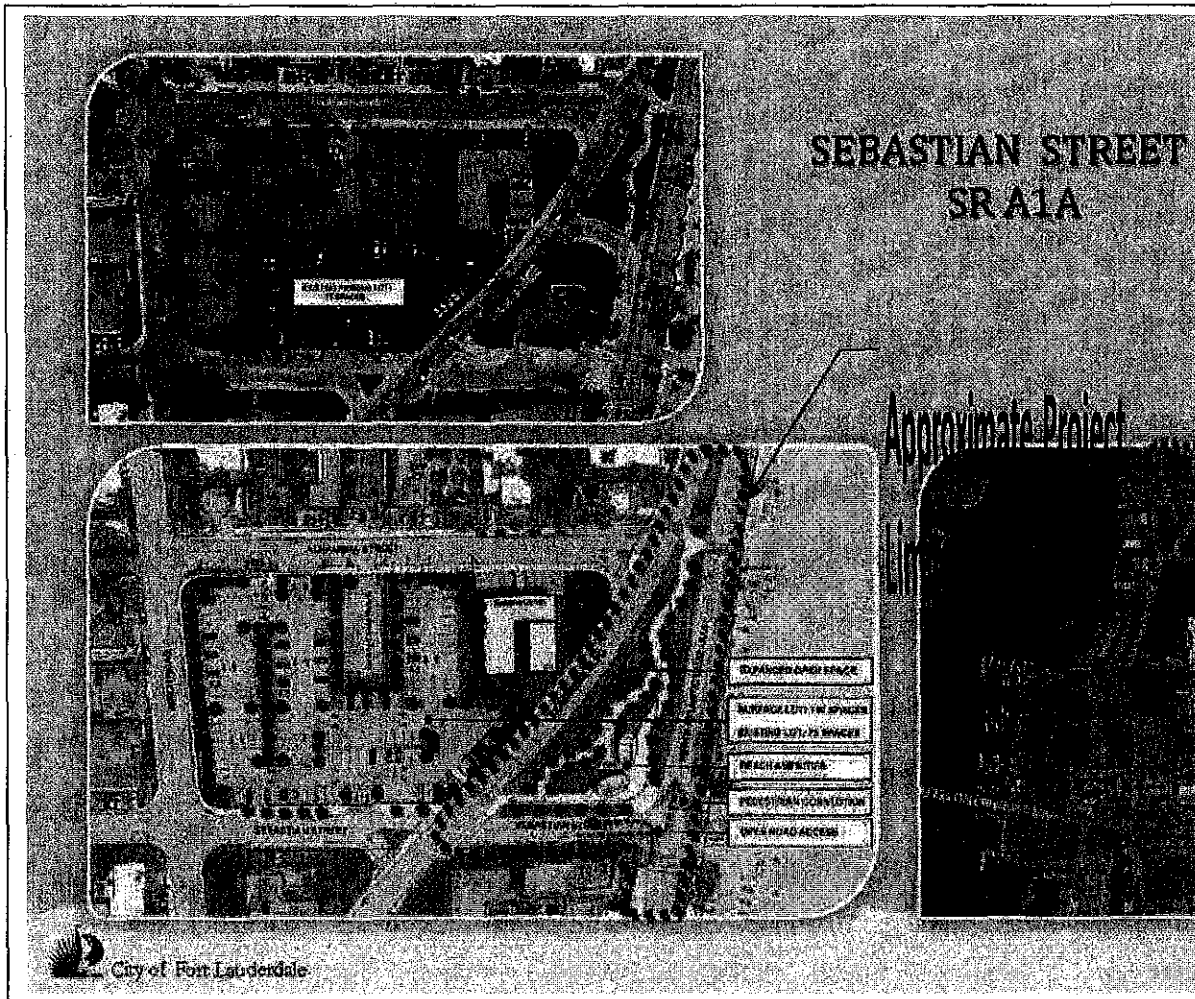
The improvements include redeveloping Almond Avenue into an inviting pedestrian-friendly street by converting 2-way traffic to 1-way North, which narrows the traffic lanes and provides for sidewalks and street plantings. Almond Avenue from Las Olas Boulevard to Banyan Street would be closed to vehicles after the morning deliveries to the businesses, thus allowing the street to be used for events, outdoor markets and café seating.

The project begins to the north at Poinsettia Street and connects south two blocks to Las Olas Blvd and includes sidewalk undergrounding overhead utilities along the south side of Poinsettia Street. Almond Avenue will be planned as a pedestrian extension of the Oceanside Plaza Improvements with special paving, exterior seating and bollards to delineate traffic movements within the ROW.

The improvements may include but not limited to sidewalks, trees, lighting, landscaping,

undergrounding all utilities and other streetscape amenities. The selected CONSULTANT shall work with adjacent property owners during both pre and post construction phases to ensure success of the project.

Sebastian Street / SR A1A - Restrooms and Median Improvements



These improvements are part of the overall redevelopment of the existing Sebastian Street Parking Lot which includes combining the City-owned property into one larger surface parking lot and providing public restrooms in the location of the existing handicapped parking lot (located North of Sebastian Street, between SR A1A and Seabreeze Boulevard). To provide these restrooms, the intersection at Sebastian Street and SR A1A will need to be re-established, and the turn-around at Alhambra Street eliminated.

The scope of the project will be limited to re-developing the median with new restrooms, addressing pedestrian safety at the crosswalks, reconfiguring the Sebastian Street / SR A1A Intersection and coordinating with the adjacent parking lot re-development. A traffic study focusing on pedestrian safety and access will be required and recommendations incorporated into the final design. The Sebastian Street and SR A1A intersection will require traffic study and signal design to eliminate the existing turn-around.

The restroom facility shall be ADA compliant and include outdoor showers, bicycle storage and drinking fountain. The CONSULTANT shall identify restroom demand and make recommendations for the number of stalls and facility design to be used in a beach environment.

Lighting for the median shall be "Turtle Compliant" and energy efficient.

EXHIBIT "B"
**Professional Services Agreement between the City of Fort Lauderdale
and Kimley-Horn and Associates, Inc.**

CITY PROJECT No. P11900

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

Almond Avenue and SR A1A Streetscape Projects

PROFESSIONAL SERVICES

The Kimley-Horn and Associates, Inc. Team (hereinafter referred to as the CONSULTANT) shall perform the following professional services related to a contract for Civil Engineering and Landscape Architecture Services for the Almond Avenue Project and SR A1A Streetscape Projects for the City of Fort Lauderdale (hereinafter referred to as the CITY).

The Beach Community Redevelopment Area has been very successful in its contribution to the economy of our City and advancing the identity of Fort Lauderdale into a year-round international tourist destination, as well as home to all within our community.

The Almond Avenue and SR A1A Streetscape Projects are part of implementing the overall Central Beach Master Plan adopted by the City Commission. The planned enhancements have the opportunity and responsibility to culminate the Fort Lauderdale Beach experience. Creating a strong visual and physical connection to the beach, prioritizing people over vehicles, creating flexible outdoor spaces for day and evening gatherings, and special events is crucial to the success of the improvements. It is assumed the projects will be completed within a two year period and will be designed simultaneously on the same schedule.

The overall goals for these project elements include:

- A focus on creating pedestrian priority within the corridor;
- The creation of a world-class legacy project for the community;
- Keeping an eye on the vision of the future; with an understanding of future redevelopment, transportation innovations, future population demands, climatic change and future programming for beach events and activities;
- Sustainability through environmentally conscious planning and design, understanding future maintenance requirements as well as the incorporation of green roadway design and LEED principles;
- Creating a memorable and iconic place on the beach;

Specific Project Limits are identified in Exhibit "1".

SCOPE OF SERVICES AND DELIVERABLES

PROJECT BACKGROUND

The projects' design will be implemented in two (2) parts in order to develop the proposed concepts and build consensus with stakeholders of the community. Phase I will include design services associated with the refinement of the concept (15% Concept Design Plans) and design services to bring the projects to 30% drawings (Schematic Design). This will include development of the preliminary plans and estimates at 15% and 30% milestones to be presented to stakeholders, the Beach Redevelopment Advisory Board and the City Commission to ensure consensus of the scope and financial commitment of the project. Phase I will be integrated and coordinated with the Las Olas Corridor project and schedule. Phases II through III of the project will be the second part and will include further development of the 30% plans through Detailed Design and Construction Support Services and will be included as part of this agreement. **Phase II will commence after City Project Manager authorization.** Almond Avenue and SR A1A will run on the same schedule.

The key elements of the projects are the strategic implementation of the following improvements:

Almond Avenue Project -

- Almond Ave reconstruction and enhancements,
- Banyan Street reconstruction from Seabreeze Blvd to Almond Ave
- South side of Poinsettia St reconstruction from Almond Ave to just West of SR A1A

SR A1A Project -

- West side SR A1A (from North end of Fort Lauderdale Beach Park to Alhambra Street)
- East side SR A1A (from north end of Fort Lauderdale Beach Park to Alhambra Street)
- Restroom building and intersection reconfiguration at Sebastian St and SR A1A

The critical urban design principles that will inform the design as described by the Central Beach Master Plan and the Beach Community Redevelopment Plan will include:

- Pedestrian connectivity
 - Enhance connectivity to create a continuous Central Beach experience
- Gathering Places
 - Create a variety of usable public spaces for daily use as well as special events and performances. Plan for infrastructure needs for special events, but design spaces that are memorable, iconic, and work on a day to day basis.
 - Create places for families and children
- Streetscape and Parking
 - Allow for multi-modal transportation to work (Trams, Sun Trolley, Busses, Water Taxis, Pedestrians, Cars and bikes). Create great spaces for the interface of these modes, when appropriate – station, stops, etc.
 - Re-establish and enhance the branding of the beach and the streetscape vocabulary through site elements, landscape, hardscape and lighting.
- Make it Iconic and Memorable
 - Our City has been, and will continue to be known because of our beach. The SR A1A Corridor Improvements will provide an opportunity to further enhance this brand and become the iconic beach place in all of Florida.

The CONSULTANT team and City's Project Manager will coordinate frequently for concurrence prior to proceeding with the individual tasks.

ALMOND AVENUE

PHASE I:

STAGE ONE: RECONNAISSANCE / STUDIES / OUTREACH

Duration: 3 months

The specific design objectives of Almond Avenue and Banyan Street are as follows:

- Widen sidewalk/narrow pavement
- One way Almond Avenue
- Undergrounding of overhead utilities
- Ability to close street to vehicular traffic for events
- Basic streetscape and hardscape
- Street lighting
- For Poinsettia Street, the objective is to underground the overhead utilities and reconstruct sidewalk on the south side.

It is understood that while all data collection is listed below in stage one, not all of it will be performed during that stage. For example, geotechnical and some subsurface utility work may be performed in Phase II.

A. Project Mobilization and Kick-off Meeting

1. Project setup – Establish project folders and contracts and procedures.
2. Team kick-off - CONSULTANT will hold a team meeting to discuss procedures, establish responsibilities, communication protocols, project database, file structures and quality control (QC) measures. Meeting results in a document to be shared with team outlining expectations.
3. Establish project's detailed schedule and review with team. Assumed same schedule as SR A1A.
4. CONSULTANT will request and receive information from City and CRA of existing studies / past studies / base information recent or proposed development. CONSULTANT will catalog and distribute information to individual team members.
5. Project kick-off meeting with City Staff – coordinate meeting date with City and team to receive all information from City at one time. Assumes meeting will be combined with SR A1A meeting. City to prepare agenda.
6. Follow-up staff meeting with City.

B. Review of Existing data / Collection of additional base data

1. Review of existing data and previous studies provided by City including hard copy plans, as-built plans and CADD files (Survey, water and sewer, site plans, stormwater). Draw City utilities in CADD and Manipulate CADD files to complete base drawings and coordinate with City's departments to confirm accuracy.
2. Coordinate with surveyor and conduct a field review to verify design survey, document existing sign inventory, cross reference existing utilities to plans and document right of way encroachments / issues.
3. Obtain FDOT record plans and right of way maps and review against survey and field conditions at the Las Olas, Seabreeze Blvd and Poinsettia Street intersections.
4. Investigate permit requirements with City, County, State and Federal agencies (refer to list of agencies in permits section). Research agencies' records, and coordinate retrieval of information and permit records with the agencies. Review permit records and information received from agencies, summarize results and document.

5. Perform review of bicycle and pedestrian mobility and connectivity. Consider width of pedestrian zone width, bicycle and transit connectivity, and bicycle parking.
6. Identify transit facilities.
7. Conduct ADA review for the project and document all deficiencies and proposed improvements.
8. Assessment of existing parking potentially impacted by the project. Document count including metered parking and provide to the City.
9. CONSULTANT in conjunction with City shall establish design speed limits for the project. Based on that CONSULTANT shall prepare a technical design criteria document that lists roadway geometric and design criteria and submit to City for review and acceptance, as this is important to establish design parameters.
10. Research and coordinate with City and street light fixtures representatives to obtain technical information including photometric specifications for the chosen fixture.
11. Utility Coordination –
 - i. Coordinate with utility companies, establish contacts, and prepare a utility coordination status matrix to document plan transmittal and status. Transmit base plans to all utility companies to allow them to mark their existing and proposed facilities.
 - ii. Receive marked plans, review them along with available as-built plans and document it. From the marked up existing utility information received from utility companies, draw the existing utilities in CADD as part of the base drawings.
 - iii. Compare received information with field survey and conduct a field review to confirm the information.
12. Traffic –

The City will provide CONSULTANT with direction on converting Almond Ave to one way street. CONSULTANT will not prepare a traffic study or analysis, but will meet once with City to receive direction.
13. Discuss with City alternate materials related to climate change.
14. Geotechnical / soil studies

CONSULTANT will coordinate with geotechnical subconsultant to provide the following services:

All work performed will be in general accordance with Broward County and FDOT standards. The proposed scope work for the improvement is as follow:

 - The project includes reconstruction of a couple of blocks of City streets which will include drainage, decorative lights and landscaping.
 - CONSULTANT'S geotechnical subconsultant will drill auger borings to a depth 5 feet deep for the street improvement (maximum 4 borings) to define soil types under proposed pavement reconstruction.
 - Perform pavement cores to determine the existing pavement thickness which consists of a maximum of 1 core for each of the city streets for a total of 3.
 - Perform a maximum of 1 Borehole Permeability for the drainage improvements.
 - Perform a maximum of 1 SPT boring to a depth of 15 feet for the street lights.

No LBR tests will be provided as City will provide pavement design in accordance with City Standards.

15. Survey

The CONSULTANT will prepare a Topographic Survey for a portion of Almond Avenue, Banyan Street and Poinsettia Street. The limits of the survey will be from the north edge of pavement of Las Olas Boulevard to Poinsettia Street along Almond Avenue and from the west edge of pavement of Almond Avenue to the east edge of pavement of Seabreeze Boulevard along Banyan Street and from the Almond Avenue to the west edge of pavement of SR A1A along Poinsettia Street. Topographic features will be collected within and 10-feet outside the right-of-way lines. Cross-sections will be taken at 25-foot intervals and at substantial grade break. All above ground improvements will be located within the above described limits including pavement markings, trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures. CONSULTANT will obtain FDOT right-of-way maps. Existing right of way lines and side lots lines will be established. Horizontal datum for the project will be North American Datum of 1983 with the 2011 adjustment applied (NAD '83/2011). Vertical datum for the project will be North American Vertical Datum of 1988 (NAVD '88). The Topographic Survey shall conform to the Minimum Technical Requirements as set forth by the Florida Board of Professional Surveyors and Mappers. Surveyor will pick up field markings by utility agencies. Title search is not anticipated and not included.

16. Subsurface Utility Designation, Locating and Mapping Services

CONSULTANT is to provide professional services associated with "sofddig", location and mapping of existing subsurface utilities which may be in conflict with the proposed improvements for the Almond Avenue Reconstruction Project.

C. Refinement of a site opportunities and constraints plan

1. An important document in which to utilize as a tool to present to the public and City Leadership on the goals and objectives of the project while understanding and presenting the physical, environmental, regulatory and social/cultural opportunities and constraints of the site area.
 - i. CONSULTANT shall prepare a diagram that graphically presents the site's opportunities and constraints.
2. One review of diagram by City.

D. Public information

1. Public information meetings. CONSULTANT will assist City to plan, manage and conduct the outreach program. CONSULTANT shall attend the following meetings which will be combined with SR A1A project meetings.
 - i. City Commission (one [1] meeting)
 - ii. Beach Redevelopment Advisory Board (one [1] meeting)
 - iii. Central Beach Alliance (one [1] meeting)
 - iv. Business Associations (i.e. Greater Fort Lauderdale Chamber of Commerce, Broward Workshop, etc.) (up to three [3] meetings)
2. CONSULTANT shall prepare for each of these meetings by developing PowerPoint exhibits and compilation of work prepared to date.

E. Progress discussions / meetings with staff / BRAB meeting attendance

1. Up to two (2) meetings with BRAB

F. Preparation of monthly reports (up to three [3])

1. CONSULTANT to provide memorandum and graphics already prepared for the project and will rely upon City Staff to disseminate materials to public. City staff will tailor material provided by CONSULTANT to suit their outreach program.

It is assumed all meetings in this phase will be combined with the SR A1A project meetings.

Task Deliverables

- Review of base information – technical memorandum outlining review of data
- Refinement of Site Opportunities and Constraints Plan and technical memorandum outlining opportunities and constraints (Project Design Assumptions)
- Preparation of monthly reports (up to three (3) reports, CONSULTANT will assist City Staff to disseminate to the public.
- Summary of progress.
- Technical design criteria document
- Memos for permit requirement, bike and ADA issues.
- Geotechnical report
- Parking impact assessment
- Project base map to send to utility companies
- Updated Survey and base map for design.
 - Roadway design and topographic survey
 - Utility locates (above ground designation and some softdig locating)
 - Right-of-way and side lots lines.

STAGE TWO: CONCEPTUAL PLANNING (15% DESIGN PLANS)

Duration: 4 Months

Concurrently, as much as possible with Stage One, the CONSULTANT will focus on the development of preliminary conceptual alternatives for the streetscape project. These alternatives will be based on the understanding and outreach developed during the Stage One work. The alternatives will illustrate the programmatic elements of the project.

A. Development of preliminary conceptual plans of the following programmatic elements

1. Almond Avenue, Banyan Street and Poinsettia Street
 - i. CONSULTANT shall refine the base map CADD drawing that delineates right of way, easements and existing utilities for the three City streets that will require reconstruction and or modification based on information provided by City and utility agencies.
 - ii. Roadway Design Analysis – CONSULTANT will develop existing cross sections at no less than 50' intervals and existing roadway profile to review roadway cross slopes, tie-in to adjacent property elevations, roadway profile and drainage patterns. CONSULTANT will review the above information along with the base map and the established technical design criteria in the process of evaluating alternative typical sections. CONSULTANT shall analyze the information and in conjunction with the roadway engineer and landscape architect develop up to two typical section alternatives for Almond Avenue and Banyan Streets and one half typical section (south side) for Poinsettia Street. CONSULTANT shall develop preliminary plan concepts along with the typical sections for one alternative and analyze the following
 1. curb type and sidewalk width, bike facilities and transit accommodations.

2. Street light design
3. Access and delivery trucks
4. Preliminary Drainage concept
5. Tie-in to existing properties, driveways and easements and roads
6. Preliminary location and spacing of all underground lines including storm sewer and relationship to proposed features including landscaping and lighting.

After receipt of input from City and stakeholders, CONSULTANT shall revise the roadway typical section and corresponding concept plan.

- iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer on above tasks and shall develop landscape and hardscape concept plans and typical section renderings as stated below

1. Landscape and hardscape improvements
2. Typical section rendering (after selection of preferred typical section)
3. Paving and walkway material and artistic designs
4. Site furnishings
5. Street light fixture types
6. Street closure locations

After receipt of input from City and stakeholders, CONSULTANT shall revise the typical section and corresponding concept plan.

- iv. Street Lighting Design – CONSULTANT shall coordinate with City staff to select details of light fixtures, pole material and lighting criteria to replace existing lighting. Consideration will be given to pedestrian and vehicular traffic needs as well as sea turtle impacts. After City approves design criteria and light fixture selection, CONSULTANT shall consider location of poles relative to other street features and perform lighting photometric analysis to determine spacing. CONSULTANT shall prepare the following and submit to City for review

1. Lighting fixture detail sheet
2. Photometric analysis results on roadway plan sheets

It is assumed a lighting analysis or justification report is not required.

- v. Underground plans for overhead utilities

CONSULTANT shall coordinate with the City and utility agency owners (UAOs) to place their existing overhead utilities underground as defined below.

1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives who will be responsible for the undergrounding work and to establish their minimum requirements for converting to underground lines. CONSULTANT will request cost preliminary budget estimates from UAOs and provide to the City. This effort will require up to three meetings and assumes undergrounding of up to three utility companies' facilities (Power, telephone, cable).
2. Coordinate details of required underground utility easements for utility lines and for above ground switch cabinets. Analyze impact of easements on other roadway features such as sidewalk, landscaping and drainage and coordinate with City staff regarding those easements. This effort will require a meeting with City staff and utility companies.
3. Coordinate proposed location of utilities and separation from other underground lines. Coordinate with UAO's to agree on trench details.

4. The responsible UAO will provide design and size lines and conduits of their facilities. CONSULTANT'S conduit plan may be provided to UAO's to allow them to design their own biddable plans.
5. Prepare utility location layout in plan view and trench cross section details and provide to UAO's for their review and comments.
6. Prepare and invite for a utility meeting of all UAOs to discuss proposed design and potential impact on their facilities.

It is assumed design of modifications to City's water and or sewer lines is not included in the scope of work.

vi. Utility Coordination

CONSULTANT shall coordinate with utility agency owners (UAOs) throughout the design process. UAOs shall be responsible to provide specific and accurate X, Y, Z information on their facilities.

1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives.
2. CONSULTANT will prepare submittals to UAOs at project submittal phases.
3. CONSULTANT will prepare and invite for a pre-design utility meeting of all UAOs to discuss proposed design
4. CONSULTANT will prepare and invite for a conflict resolution utility meeting of all UAOs to agree on resolution and responsibilities for any additional costs.

It is assumed the utility coordination effort and meetings will be conducted with the SR A1A project.

vii. Conceptual drainage

CONSULTANT shall develop drainage design to replace the existing system for the reconstructed streets. The drainage design and analysis will be limited to within the reconstruction areas at the point of connection to other existing drainage systems and will not extend offsite to system outfalls.

CONSULTANT shall perform the items below.

1. Review existing drainage patterns including relationship to adjacent properties.
2. Review record plans against survey and coordinate with City to confirm functionality of systems.
3. Request and obtain record of neighbor complaints and maintenance from City staff.
4. Review in the field and interview available adjacent property owners regarding their observations.
5. Document stormwater design requirements.
6. Prepare stormwater quantity and quality calculations
7. Research and discuss with City water quality provisions including sustainable design.
8. Coordinate with landscape architect regarding location of landscape provisions as related to stormwater

viii. Develop intersection of Almond Ave. with Las Olas Blvd. for connectivity and continuity to the south side of Las Olas Blvd (Oceanside Plaza).

1. Design intersection to allow for off-peak road closures to only allow pedestrian and bike traffic.

2. Design of intersection concepts and midblock crossing of Las Olas Blvd to be included under Las Olas project.
- ix. Identify opportunity to incorporate sustainable designs and prepare memo.
- x. Coordinate with City staff responsible for maintenance of roadway, drainage, lighting, etc. and incorporate comments as appropriate.

Preliminary (15%) concept plan drawing packages will be prepared that will include the necessary disciplines, from the list below:

- Roadway Plans
 - a. Survey of Existing Conditions, including topographic survey, right of way and side lot lines
 - b. Cover Sheet
 - c. Project sheet layout
 - d. General Notes (N/A)
 - e. Horizontal and vertical control sheet (N/A)
 - f. Roadway Typical Sections
 - g. Paving, Grading and Drainage
 - h. Roadway (existing Cross Sections)
 - i. Undergrounding Overhead Utilities Layout and trench Plans
 - j. Lighting Photometric Plans
- Landscape and Hardscape Plans
 - a. Typical section renderings
 - b. Landscape concept plans
 - c. Hardscape concept plans
 - d. Site furnishing details

Submit plans to City for review.

B. Development of preliminary renderings

Develop a rendering for Almond Avenue Corridor.

C. Public Meetings

1. BRAB meeting (up to two (2) meetings)
2. City Commission Meetings: Preliminary 15% design presentation, up to two (2) meetings
3. Stakeholder meetings (up to two (2) meetings)
4. City Staff review meeting (one [1]) of preliminary 15% design presentation and public comment
5. CONSULTANT shall prepare for each meeting through the compilation of materials prepared to date. All meetings will be combined with SR A1A meetings.

D. On-Going staff meetings / preparation of progress reports

1. Up to four (4) meetings
 - i. The meetings will be combined with SR A1A meetings.
2. Up to four (4) progress reports
 - i. CONSULTANT to provide progress reports.

E. Preliminary permit coordination

Provide permitting coordination and summarize in a memo for the following agencies:

1. Florida Department of Transportation (Design, Traffic Ops, Modal Development, right of way and permits offices). It is assumed drainage permit is not required.
2. South Florida Water Management District (SFWMD ERP) and dewatering
3. City of Fort Lauderdale Engineering
4. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
5. Broward County Environmental Regulation Division, Dewatering

F. City Staff and CONSULTANT review of public input

1. Preparation for and participation in one (1) meeting with City staff
2. Preparation of meeting notes from meeting.

Meetings will be combined with SR A1A project meetings.

G. Refine Preliminary Concept Plans, based on public input for confirmation by City

1. City Commission
2. Beach Redevelopment Advisory Board
3. Others as City staff deems appropriate

H. Opinions of Probable Construction Cost Estimates

1. Develop Estimates including alternatives.
2. Separate Cost for each project.
3. Prepare and submit Conceptual Project Budgets Order of Magnitude Estimates. For all projects and construction cost estimates throughout the life of projects, the CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to CONSULTANT at this time and represent only the CONSULTANT'S judgment as a design professional familiar with the construction industry. The CONSULTANT cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs. At the conceptual level contingencies of 20% - 25% will be included, which is the industry standard. For subsequent phases, the contingency will be reduced and will vary. At the final phase of construction documents, a contingency percentage will be included to cover the bidding process. Another inflation percentage will be added based on the anticipated bid time. Bid alternates for materials or tree size/species may be provided to provide additional flexibility.

I. Right of Way and Easements

1. CONSULTANT will provide limited assistance to the City with the necessary processes associated with potential temporary construction easements. During this phase CONSULTANT will provide City with potential easement needs based on proposed typical sections and average width of encroachment. All required agreements and supporting documents to be provided by City.

Deliverables:

- Preliminary Conceptual Design Package in electronic PDF format
- Typical Section Renderings
- Preparation of monthly reports
- Final Conceptual Design Package (15% Plans) in electronic PDF format
- Preparation of document for potential temporary construction easements.
- Preparation of conceptual project budgets
- Memo on permits and sustainability

STAGE THREE: SCHEMATIC DESIGN (30% DESIGN PLANS) / OUTREACH

Duration: 4 Months

Once the strategic implementation strategy of improvements has been refined and determined during Phase One, the CONSULTANT will embark upon the 30% design plans of the proposed improvements.

A. Schematic Design (30% Plans)

During this phase of work, the overall project will be developed in sufficient detail to revise and describe the project elements, as well as to further refine the character of the improvements.

1. Based on City comments and selected typical section alternative, CONSULTANT shall proceed with development of design to 30% completion as stated below.

- i. Review and address City comments.
 - ii. Roadway Design Analysis – CONSULTANT shall refine the selected typical section and design proposed profile grade lines. Based on that CONSULTANT will develop proposed cross sections at no less than 50' intervals and show tie-in to adjacent property elevations and roadway. Perform adjustments to profile grade and cross slopes for proper tie-in to existing conditions.
 - iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer to advance the landscape and hardscape concept plans
 - iv. Street Lighting Design – Based on City review comments, CONSULTANT shall revise lighting design.
 - v. Underground plans for overhead utilities
CONSULTANT shall coordinate with the City and UAOs to place existing overhead utilities underground as defined below.
 - 1. CONSULTANT will coordinate with utility companies to discuss selected alternative and refine location of proposed utilities in the plans. This effort includes up to 2 meetings with UAOs.
 - 2. CONSULTANT will provide utility companies with two sets of revised drawings for their review and comments.
 - 3. CONSULTANT will review and address UAOs comments and hold one meeting to reach agreement on revisions.
 - vi. Conceptual drainage
CONSULTANT shall advance the concept design based on selected alternative and layout drainage structures in plan view sheets.
 - vii. Develop intersection of Almond Ave. with Las Olas Blvd.
 - 1. Based on City, FDOT and stakeholder input incorporate design concept from Las Olas Corridor project .
2. Schematic Drawing packages will be prepared for 30% Plans that will include the necessary disciplines, such as:
- i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Paving, Grading and Drainage
 - g. Paving, Grading and Drainage Details
 - h. Stormwater Pollution Prevention Plan (SWPPP)
 - i. Traffic Control Plan Concepts
 - j. Typical Sections
 - k. Preliminary Cross Sections
 - l. Preliminary Temporary Construction Easements/Average Encroachments
 - m. Plans for Undergrounding of Overhead Utilities
 - n. Utility Trench Details
 - o. Lighting layout Plans (N/A)
 - p. Lighting Photometric Plans
 - q. Conceptual Irrigation Memo
 - r. Construction Details
 - s. SUE tabulation Sheet
 - t.

- ii. Landscape and Hardscape Concept Plans
 - a. Site Plan Layout
 - b. Hardscape Plans
 - c. Landscape Demolition Plans
 - d. Landscape Plans
 - e. Site Details
 - 2. Prepare plan packages for transmittal to City staff for review.
 - 3. Revise plans one time based on City comments and resubmit.
- B. On-Going Permit Coordination**
Based on selected alternatives coordinate with permitting agencies and document permit parameters in a memo for the following agencies
 - 1. Florida Department of Transportation
 - 2. South Florida Water Management District (SFWMD ERP) and dewatering
 - 3. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
 - 4. Broward County Environmental Regulation Division, Dewatering
 - 5. City of Fort Lauderdale Engineering
- C. Public Meetings / Updates**
All meetings to be combined with SR A1A meetings.
 - 1. City Commission
 - 2. Beach Redevelopment Advisory Board
- D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff**
 - 1. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings. CONSULTANT shall prepare meeting minutes, but City staff shall prepare agendas, invitations and conduct meetings.
- E. Sustainability**
 - 1. During the development of the 30% drawings, the CONSULTANT will also begin to formulate the strategy related to the sustainability opportunities for the project. The project does not include effort for identifying LEED credits.
 - 2. Provide memo on sustainability opportunities.
- F. Opinions of Probable Construction Cost Estimates**
 - 1. Review of Design Plans
 - 2. Meetings with Designers for clarification.
 - 3. Review and evaluate phasing for construction.
 - 4. Provide detailed estimates of various disciplines (includes 20% to 25% contingency).
 - 5. Prepare and separate estimates to individual projects.
 - 6. Finalize and submit estimates.
- G. Right of Way and Easements**
 - 7. CONSULTANT shall revise easement /encroachment locations. This effort does not include agreements, detailed easement drawings or legal sketches and descriptions.

It is assumed meetings in this phase will be combined with the SR A1A project meetings.

Deliverables:

- Schematic Design Package (30% Drawings) in PDF format and CADD.
- Staff review meeting of Schematic Design Package for review (up to one [1] meeting) and preparation of meeting notes
- Update a memorandum summarizing all permitting requirements
- Public meeting updates

- Preparation of public information updates (up to four [4]) using exhibits prepared to date. City is responsible for all publishing and posting on City Web Page.
- Preparation of a technical memorandum regarding potential sustainable opportunities for the project.
- Preparation of conceptual project budgets
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to four (4) meetings / months. CONSULTANT will assist City staff to disseminate materials to the public.

PHASE II: DETAILED DESIGN

Duration: (3 months)

DETAILED DESIGN (50%, 90%, 100% PLANS)

A. Design Development and Final Construction Documents (50%, 90%, 100% Plans)

During this phase of work, the overall project will be developed in sufficient detail to submit to permitting agencies and City.

1. CONSULTANT shall review and address a one-time phase comments by City
2. CONSULTANT shall meet with City staff to resolve comments and responses.
3. CONSULTANT shall review and respond to FDOT comments related to intersections with State Roads.
4. CONSULTANT shall prepare Design Development package that will include:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Site Plan Layout
 - g. Hardscape plans
 - h. Site Details
 - i. Paving, Grading and Drainage
 - j. Paving, Grading and Drainage Details
 - k. Stormwater Pollution Prevention Plan (SWPPP)
 - l. SWPPP Details
 - m. Traffic Control Plan Concepts
 - n. Typical Sections
 - o. Cross Sections
 - p. Preliminary Temporary Construction Easements
 - q. Undergrounding Overhead Utilities Plans
 - r. Utility Trench Details
 - s. Utility Conflict Matrix Sheets
 - t. Signing and Pavement Marking Plans
 - u. Lighting Plans
 - v. Landscape Plans
 - w. Irrigation Plans
 - x. Construction Details
 - y. SUE Tabulation Sheet
 - z. Specifications

CONSULTANT shall prepare and submit plans package to City for review.
It is assumed drainage maps are not needed or required.

B. Engineering Permits

Based on plans progress, CONSULTANT shall continue coordination with permit agencies, submit permit applications and respond to comments.

1. Florida Department of Transportation (Design, Traffic Operations, Modal Development, right of way and permits offices)
2. South Florida Water Management District (SFWMD ERP) and dewatering
3. City of Fort Lauderdale Engineering
4. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
5. Broward County Environmental Regulation Division, Dewatering

C. Public Meeting Updates

CONSULTANT shall attend and provide updates to the City. CONSULTANT will assist City staff to conduct meetings and disseminate information. Meetings will be combined with SR A1A meetings.

1. City Commission (one meeting)
2. Beach Redevelopment Advisory Board. Assume one meeting

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Preparation for meetings with City staff and preparation of monthly progress reports. CONSULTANT to rely upon City staff to disseminate materials to the public.

E. Sustainability

1. The CONSULTANT will coordinate and refine document for sustainability opportunities.

F. Opinions of Probable Construction Cost Estimates

1. Review of plans.
2. Meetings with Designers for clarification.
3. Evaluate Construction Phasing.
4. Provide updated detailed estimates.

Deliverables:

- 50%, 90%, 100% Phase Submittal Packages in PDF format and CADD
- Staff review meeting of Packages (up to one [1] meeting) per phase and preparation of meeting notes
- Public meeting updates (up to two [2] meetings)
- Preparation of opinion of probable construction cost estimates
- Preparation of monthly reports (up to four (4) months. CONSULTANT to rely upon City staff to disseminate materials to the public.

PHASE III:
BIDDING ASSISTANCE

A. BIDDING ASSISTANCE

During this phase of work, CONSULTANT will assist the City in preparation of bid documents.

1. Project Manual Preparation
 - i. Plans - CONSULTANT shall submit final bid plans to City for bidding purposes. CONSULTANT shall provide up to 30 sets of 11 x17 sheet size prints / CD / DVD to bidders and provide list of bidders to City.
 - ii. Boilerplate - City will provide the latest boilerplate in a WORD document. CONSULTANT will coordinate with City to fill in project information and contractor qualifications and provide technical specifications that are not shown or referenced on the plans.

- iii. Bid Items - CONSULTANT will coordinate with City and provide a list of bid items.
2. Review by City staff - CONSULTANT will submit bid document to City for review.
3. Request for information (RFI) assistance - CONSULTANT will review bid RFIs and respond up to 5 RFIs with revisions of up to 5 plan sheets. CONSULTANT will forward responses and sheets in pdf format to City. City will be responsible for formatting and issuing addenda.
4. Pre-bid Meeting – CONSULTANT shall attend one pre-bid meeting with City staff to help answer questions. City shall be responsible for all meeting preparation and invitation.
5. Bid Review -
 - i. Bid Tabulation – CONSULTANT shall review bid tabulation provided by City.
 - ii. Recommendation – CONSULTANT shall review bids for inconsistencies and coordinate with City to provide recommendations.
 - iii. CONSULTANT will provide additional services under the Construction Phase Services.

B. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Up to (2) Progress Reports to City staff related to bidding items.

SR A1A

(From north end of the South Beach Parking Lot to Alhambra Street)

PHASE I:

STAGE ONE: RECONNAISSANCE / STUDIES / OUTREACH

Duration: 3 months

Design objectives are as follows:

1. Replace existing trees on both sides of SRA1A to place them closer to the curb and remove them from pedestrian zone.
2. Replace street lights on the west side of SRA1A to place them closer to the curb.
3. Replace sidewalk material and delineate pedestrian from café zones.

A. Project Mobilization and Kick-off Meeting

1. Project setup – Establish project folders and contracts and procedures.
2. Team kick-off - CONSULTANT will hold a team meeting to discuss procedures, establish responsibilities, communication protocols, project database, file structures and quality control (QC) measures. Meeting results in a document to be shared with team outlining expectations.
3. Establish project's detailed schedule and review with team..
4. CONSULTANT will request and receive information from City and CRA of existing studies / past studies / base information / recent or proposed developments. CONSULTANT will catalog and distribute information to individual team members.
5. Project kick-off meeting with City Staff – coordinate meeting date with City and team. City to prepare agenda. Prepare meeting minutes and establish action items. Follow up on action items through to completion and status updates.
6. Follow-up staff meeting with City.

B. Review of Existing data / Collection of additional base data

1. Review of existing data and previous studies provided by City including hard copy plans, as-built plans and CADD files (Survey, water and sewer, site plans, stormwater). Draw City utilities in CADD and Manipulate CADD files to complete base drawings and coordinate with City's departments to confirm accuracy.
2. Coordinate with surveyor and conduct a field review to verify design survey, document existing sign inventory, cross reference existing utilities to plans and document easily identifiable right of way encroachments / issues.
3. Obtain FDOT record plans and right of way maps and review against survey and field conditions.
4. Investigate permit requirements with City, County, State and Federal agencies (refer to list of agencies in permits section). Research agencies' records, and coordinate retrieval of information and permit records with the agencies. Review permit records and information received from agencies, summarize results and document.
5. Review FDOT Safety Study recommendations provided by City
6. Traffic counts / Mobility and pedestrian safety study to determine intersection reconfiguration at Sebastian and SR A1A
7. Perform review of bicycle and pedestrian mobility and connectivity. Consider width of pedestrian zone width, bicycle and transit connectivity, and bicycle parking.
8. Conduct ADA review for the impacted areas to be reconstructed and document.
9. Assessment of existing parking potentially impacted by the project. Document count including metered parking and provide to the City.

10. FDOT Coordination and grant update will be handled under the project north of the CRA limits.
11. Research and coordinate with City and street light fixtures representatives to obtain technical information including photometric specifications for the chosen fixture.
12. Coordinate with City staff on status of TDLC application to FDOT. It is assumed City will obtain TDLC approval.
13. Review FDOT Road Safety Audit requests by FDOT to determine impacts on proposed design.
14. Provide Restroom demand analysis for the facility to determine number of fixtures. Review data provided by the City regarding number of beach patrons and adjacent restrooms. The quantity of plumbing fixtures in each of the women's and men's restrooms shall meet the code for public facilities and the 'Potty Parity Law'.
15. Utility Coordination –
 - i. Coordinate with utility companies, establish contacts, and prepare a utility coordination status matrix to document plan transmittal and status. Transmit base plans to all utility companies to allow them to mark their existing and proposed facilities.
 - ii. Receive marked plans, review them along with available as-built plans and document it. From the marked up existing utility information received from utility companies, draw the existing utilities in CADD as part of the base drawings.
 - iii. Compare received information with field survey and conduct a field review to confirm the information.
16. Traffic –

The proposed public Restroom facility within the SR A1A median will cause the northbound to southbound slip ramp to be removed. To adequately accommodate the displaced traffic, CONSULTANT will examine the feasibility of opening Sebastian Street at northbound SR A1A to vehicular traffic.

The traffic scope of services is organized into two major tasks: Data Collection and Engineering Analysis.

- I. Meet with representatives from the City to obtain information about the project area to facilitate development of a traffic capacity and operations study addressing the needs of the City while also considering the desires of neighboring properties and expectations of the traveling public.

II. DATA COLLECTION

The following item summarizes the proposed methodology and scope of services specific to the data collection effort necessary to analyze the effect of opening Sebastian Street at its intersection with northbound SR A1A to vehicular traffic.

1. Turning Movement Volumes

CONSULTANT will obtain turning movement count data and bicycle\pedestrian counts at nearby signalized and unsignalized intersections during AM (7:00 to 9:00) and PM (4:00 to 6:00) peak periods on a typical weekday and during one peak period (to be determined) on a typical weekend day. Up to three (3) locations will be

counted. In addition, up to two (2) 24-hour machine counts will be performed. This traffic data will be summarized and used to establish appropriate geometry along Sebastian Street at its intersections with northbound and southbound SR A1A both now and in one future year to be determined by City staff.

III. ENGINEERING ANALYSIS

1. Future Traffic Projections

Future traffic projections will be developed based upon historical growth patterns and traffic generated by approved but as yet unbuilt development within the area. This information will be summarized for use in the Engineering Analysis described in Section 2 below.

2. Engineering Analysis

- SYNCHRO 8.0 will be used to establish both existing and expected future operating conditions of nearby intersections. The model will also be used to assess proposed geometric changes along Sebastian Street at its intersections with northbound and southbound SR A1A. SYNCHRO is recommended due to its ability to calculate capacity (based on procedures set forth within the Highway Capacity Manual), optimize cycle lengths, timing splits, and offsets, accurately model actuated and coordinated networks and calculate intersection delay.
- Level of Service thresholds set forth within the Quality/Level of Service Handbook as published by the Florida Department of Transportation (FDOT) will be used to establish roadway segment operating conditions under both existing and future year scenarios
- Review pedestrian crossings type and location and conduct an analysis to consider consolidation/modification including suggested areas for Rapid Flashing Beacon signs or in-ground crosswalk lights. Coordinate with City and FDOT Traffic Operations staff to discuss options. Submit proposed modifications to City and FDOT for review. Respond to comments, revise and submit final documentation. Pedestrian data collection is not included in this scope of work.

3. Report

Results of the Engineering Analysis will be provided in the form of a draft technical memorandum. The memorandum will include data summaries and graphics generated during our analysis of traffic volumes, turning movements and pedestrian observations. Upon addressing one round of comments by City staff, ten (10) copies of the final report will be provided for your use.

17. Geotechnical / soil studies

All work performed will be in general accordance with Broward County and FDOT standards. The proposed scope work for the improvement is as follow:

- Perform 2 SPT borings to a depth of 30 feet for the mast arm signal and
- Restroom building.
- Perform 1 SPT borings to a depth of 15 feet for the street lights.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, recommendations for foundation and a discussion of some construction considerations.

18. Survey

- i. The CONSULTANT will prepare a Topographic Survey for a portion of State Road A-1-A in accordance with the Minimum Technical Requirements as set forth by the Florida Board of Professional Surveyors and Mappers and to meet DEP requirements. The north-south "Project Limits" of the survey will be from the north end of the South Beach parking lot (Oasis Café) to the Alhambra Street. The east-west "Project Limits" of the survey will be as follows:

- a. On the west side of A-1-A, where the sidewalk is contiguous with the face of the building, from the face of the building to the west edge of pavement of A-1-A. All other areas on the west side of A-1-A from 10-foot west of the west right-of-way to the west edge of pavement of A-1-A.
- b. On the east side of A-1-A from the east edge of pavement of A-1-A to the east side of the beach wall.
- c. In areas with cross-sections required by Section 62B-33.0081, paragraph 62B-34.040(2)(f), F.A.C.] of the Florida Administrative Code (every 100-foot within the project) the limits will be from the west right-of-way of A-1-A to the zero elevation within the Atlantic Ocean including the A-1-A pavement.

Cross-sections will be taken at 25-foot intervals where the sidewalk is contiguous with the face of the building and at 50-foot intervals in all other areas and substantial at grade breaks. Finished floor and adjacent walk elevations will be obtained within the areas where the sidewalk is contiguous with the face of the building. All above ground improvements will be located within the described "Project Limits" including trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures except for those within the A-1-A roadway. CONSULTANT will obtain FDOT right-of-way maps. Survey will include available utility markings found in the field. Title search is not anticipated nor included.

- ii. Boundary & Topographic Survey For Restroom Building (Site Plan Approval): The CONSULTANT will prepare a Boundary and Topographic Survey for the portion of the City of Fort Lauderdale property located between Alhambra Street, Sebastian Street, Seabreeze Boulevard and State Road A-1-A, to meet permit agency requirements. The survey will include location of all above ground improvements including trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures.

19. Subsurface Utility Exploration, Locating and Mapping Services

CONSULTANT is to provide professional services associated with "sofddig", location and mapping of existing subsurface utilities which may be in conflict with the proposed improvements for the SR A1A Project.

The City of Fort Lauderdale will be responsible for providing any necessary permits (City, County and State) required to complete test holes.

C. Refinement of a site opportunities and constraints plan

1. An important document in which to utilize as a tool to present to the public and City Leadership on the goals and objectives of the project while understanding and presenting the physical, environmental, regulatory and social/cultural opportunities and constraints of the site area.
 - i. CONSULTANT shall prepare a diagram that graphically presents the site's opportunities and constraints.
2. One review of diagram by City.

D. Public information

1. Public information meetings. CONSULTANT will assist City to plan, manage and conduct the outreach program. CONSULTANT shall attend the following meetings
 - i. City Commission (two [2] meetings)
 - ii. Beach Redevelopment Advisory Board (two [2] meetings)
 - iii. Central Beach Alliance (two [2] meetings)
 - iv. Business Associations (i.e. Greater Fort Lauderdale Chamber of Commerce, Broward Workshop, etc.) (up to three [3] meetings)
2. CONSULTANT shall prepare for each of these meetings by developing PowerPoint exhibits and compilation of work prepared to date.

E. Progress discussions / meetings with staff / BRAB meeting attendance

1. Up to four (4) meetings with Staff and up to three (3) meetings with BRAB
2. CONSULTANT shall prepare for each of these meetings, including the development of PowerPoint exhibits and compilation of work prepared to date. City staff to schedule meetings, agendas and run meetings.

F. Preparation of monthly reports (up to three [3])

1. CONSULTANT to provide memorandum and graphics already prepared for the project and assist City Staff to disseminate materials to public. City staff will tailor material provided by CONSULTANT to suit their outreach program.

Task Deliverables

- Review of base information – technical memorandum outlining review of data
- Refinement of Site Opportunities and Constraints Plan and technical memorandum outlining opportunities and constraints (Project Design Assumptions)
- Traffic study report
- Preparation for and participation in Public Information meetings – up to six (6) meetings
- Preparation of monthly reports (up to three (3) reports, CONSULTANT to assist City Staff to disseminate to the public.
- Technical design criteria document
- Geotechnical report
- Project base map
- Updated Survey
 - sidewalk design and topographic survey
 - Location of Right-of-way and side lot lines.
- Provide permits, bike / pedestrian and ADA memo.

STAGE TWO: CONCEPTUAL PLANNING (15% DESIGN PLANS)

Duration: 4 Months

Concurrently, as much as possible with Stage One, the CONSULTANT will focus on the development of preliminary conceptual alternatives for the streetscape project. These alternatives will be based on the understanding and outreach developed during the Stage One work. The alternatives will illustrate the programmatic elements of the project.

A. Development of preliminary conceptual plans of the following programmatic elements

1. SR A1A (West and East Sides)

- i. CONSULTANT shall prepare and refine a base map CADD drawing that delineates right of way, easements, face of buildings and existing utilities behind the edge of pavement.
- ii. Roadway/Sidewalk Design Analysis – CONSULTANT will review proposed location of street lights and trees against existing utility locations, consider the proposed typical section and coordinate with landscape architect as stated below. CONSULTANT will develop existing cross sections at a minimum of 50' intervals and review sidewalk slopes for ADA compliance.
- iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer and shall develop landscape and hardscape concept plans and typical section renderings as stated below
 1. Consider Complete Street design techniques. Establish pedestrian and sidewalk café zones for the entire length of the corridor. Note the south end has wide sidewalk areas and the north end has narrower sidewalks. Provide up to three typical section alternatives for areas behind roadway curb. Address location of trees and lights, material difference between sidewalk café limits and pedestrian zone, connection and encroachment on private property to connect sidewalk to face of buildings. Locating or detailing existing building overhang, columns, etc. is not included.
 2. Landscape and hardscape concept improvements plans
 3. Typical section renderings (up to three)
 4. Paving and walkway artistic designs
 5. Site furnishings
 6. Street light fixture types

After receipt of input from City and stakeholders, CONSULTANT shall revise up to two of the typical sections and corresponding concept plans.

- iv. Signing – CONSULTANT shall review existing signs and propose roadway signing consolidation where necessary. CONSULTANT will meet with City to review, address comments and meet with FDOT for their input.
- v. Street Lighting Design – CONSULTANT shall coordinate with City staff to select details of light fixtures, pole material and lighting criteria. Consideration will be given to pedestrian and vehicular traffic needs. CONSULTANT will meet with FDEP to obtain concurrence on light fixture. CONSULTANT will meet with FDOT to review basis of lighting design to gain their acceptance and to confirm compliance with grant conditions. After selection CONSULTANT shall consider location of poles relative to other street features and perform lighting photometric analysis to determine spacing. It is desired by the City to remove existing cobra head lights if allowed by FDOT. Based on FDOT requirements, CONSULTANT shall develop lighting photometric analysis for up to three scenarios if required as listed below.

1. Analysis of existing conditions
 2. Analysis of proposed design with existing cobra head lights remaining
 3. Analysis of proposed design with existing cobra head lights removed.
- CONSULTANT shall prepare the following and submit to City for review
4. Lighting fixture detail sheet considering turtle friendly lights
 5. Lighting analysis report of three scenarios
 6. Prepare a design variance for FDOT approval for low illumination street light levels.

After City review, CONSULTANT shall submit lighting analysis report to FDOT for their review and comments. CONSULTANT will meet with FDOT to address their comments, redo photometric analysis based on comments, revise report and resubmit to FDOT.

It is assumed a lighting justification report is not required.

After FDOT approval CONSULTANT shall develop the concept plans in the 30% phase.

1. Lighting construction plans
2. Electric receptacles construction plans
3. Electrical voltage drop calculations

Electrical receptacles will be provided in the poles to allow for holiday light decorations, not for major electrical power connection or draw.

vi. Utility Coordination

CONSULTANT shall coordinate with utility agency owners (UAOs) throughout the design process. UAOs shall be responsible to provide specific and accurate X, Y, Z information on their facilities.

1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives.
2. Prepare submittals to UAOs at every project submittal phase.
3. Prepare and invite for a pre-design utility meeting of all UAOs to discuss proposed design
4. Prepare and invite for a conflict resolution utility meeting of all UAOs to agree on resolution and responsibilities for additional costs.

It is assumed design of modifications to City's water and or sewer lines is not anticipated.

vii. Identify opportunity to incorporate sustainable designs and prepare memo.

viii. Coordinate with City staff responsible for maintenance of roadway, drainage, lighting, etc. and incorporate comments as appropriate.

ix. Conceptual drainage

CONSULTANT shall develop drainage design for the Restroom building site. The drainage design and analysis will be limited to within the reconstruction site areas at the point of connection to other existing systems and will not extend offsite to system outfalls. It is anticipated that the amount of impervious pavement along the SR A1A project will not change due to the streetscape work. CONSULTANT shall perform the items below.

1. Document stormwater design requirements.
2. Prepare a drainage report as required by FDOT and Broward County for drainage permitting.
3. Coordinate with landscape architect regarding location of landscape provisions as related to stormwater.

4. Review existing drainage patterns including relationship to adjacent properties to assess impacts from proposed features
5. Review record plans against survey for stormwater facilities.
6. Draw existing stormwater pipes in CADD files as necessary in areas adjacent to proposed trees and lights.
7. Review in the field and interview adjacent property owners regarding their observations to identify potential locations of water ponding.
8. Prepare stormwater quantity and quality calculations

2. Sebastian and SR A1A intersection and Restroom Facility

- vii. CONSULTANT'S Architect shall develop preliminary site plan concepts (up to three) illustrating Restroom building. Showers are not required on the site. The electronic drawing file will contain proper dimensions and building layout.
- viii. The CONSULTANT shall prepare a site plan based on the preliminary AutoCAD site plan layout provided by the Architect and boundary survey. A final site plan will be prepared to meet the code requirements of the City of Ft. Lauderdale and depict the information necessary to submit the site plan to the City for approval. CONSULTANT will add the required data table and provide the dimensioning and details required by the City for submission of a site plan DRC approval.
- ix. CONSULTANT shall prepare the necessary stormwater calculations for submittal to the necessary agencies, as required. Engineering plans will be provided for review by the City prior to site plan submittal for review and coordination purposes.
- x. CONSULTANT shall coordinate with Fire Department regarding requirements.
- xi. Coordinate utility services to building.
- xii. CONSULTANT shall develop preliminary plans for the intersection reconfiguration including pedestrian safety and crossings locations.
- xiii. CONSULTANT shall coordinate with FDOT regarding the proposed intersection and signal reconfiguration.
- xiv. The site design is based on the following assumptions
 1. Relocation of franchise utility facilities if necessary will be done by the responsible UAO.
 2. Water and sewer services will be provided to the buildings but no water mains or sanitary manholes.
 3. Platting is not required.
 4. No retaining walls are anticipated.
 5. Permitting through Broward County Health Department and Broward County Environmental Protection and Growth Management Department are not required for water and/or sanitary sewer improvements.

Preliminary (15%) concept plan drawing packages will be prepared that will include the necessary disciplines, such as:

- Roadway Plans
 - a. Survey of Existing Conditions, including topographic survey and right-of-way and side lots lines
 - b. Cover Sheet
 - c. Project sheet layout
 - d. General Notes
 - e. Horizontal and vertical control sheet
 - f. Typical Sections

- g. Paving, Grading and Drainage
 - h. Sidewalk (existing Cross Sections)
 - i. Lighting Photometric Plans
 - j. Preliminary Traffic Signalization Layout Plans
 - k. Initial utility conflict matrix (N/A)
 - Landscape and Hardscape Plans
 - a. Demolition plans (N/A)
 - b. Typical section renderings
 - c. Landscape concept plans
 - d. Hardscape concept plans
 - e. Site furnishing details
 - Site Civil Engineering Plans (Restroom)
 - a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details (N/A)
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans
 - g. Paving, grading and drainage Details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. Water and sewer details.
 - Architectural Plans (Restroom Building)
 - a. Concept plans, sections, elevations, details
- B. Development of preliminary renderings**
 Develop up to three renderings the following:
1. SR A1A
 2. Restroom Facility
- C. Public Meetings**
1. BRAB meetings up to two (2)
 2. City Commission Meetings: Preliminary 15% design presentation
 3. Stakeholder meeting
 4. City Staff review meeting (one [1]) of preliminary 15% design presentation and public comment
 5. CONSULTANT shall prepare for each meeting through the compilation of materials prepared to date, or the preparation of PowerPoint presentation
- D. On-Going staff meetings / preparation of progress reports**
1. Up to four (4) meetings
 2. Up to four (4) progress reports
 - xv. CONSULTANT to provide memorandum and graphics. CONSULTANT will assist City staff to dissemination to the public.
- E. Preliminary permit coordination**
 Provide permitting coordination and summarize in a memo for the following agencies:
1. Florida Department of Environmental Protection and Coastal Construction Control Line
 2. Florida Fish and Wildlife Conservation
 3. Florida Department of Transportation (Design, Traffic Ops, Modal Development, drainage, right of way and permits offices)
 4. South Florida Water Management District (SFWMD ERP) and dewatering
 5. City of Fort Lauderdale Site Plan Approval
 6. City of Fort Lauderdale Engineering

7. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
8. Broward County Environmental Regulation Division, Dewatering
9. Broward County Health Department, water

F. City Staff and CONSULTANT review of public input

1. Preparation for and participation in one (1) meeting with City staff
2. Preparation of meeting notes from meeting

G. Refine Preliminary Concept Plans and renderings, based on public input for confirmation by City

1. City Commission
2. Beach Redevelopment Advisory Board
3. Others as City staff deems appropriate

H. Opinions of Probable Construction Cost Estimates

1. Develop Estimates including alternatives.
2. Separate Cost for each project.
3. Prepare and submit Conceptual Project Budget Estimates. For all construction cost estimates throughout the life of the project, the CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to CONSULTANT at this time and represent only the CONSULTANT'S judgment as a design professional familiar with the construction industry. The CONSULTANT cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs. At the conceptual level contingencies of 20% - 25% will be included, which is the industry standard. For subsequent phases, the contingency will be reduced and will vary. At the final phase of construction documents, a contingency percentage will be included to cover the bidding process. Another inflation percentage will be added based on the anticipated bid time.

I. Right of Way and Easements

1. CONSULTANT will provide limited assistance to the City with the necessary processes associated with potential temporary construction easements. During this phase CONSULTANT will provide City with potential easement needs based on proposed typical sections and extended to face of buildings.

Deliverables:

- Preliminary Conceptual Design Package in electronic PDF format and CADD
- Typical section renderings
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to five (5) meetings / months. CONSULTANT will assist City staff to disseminate graphic materials.
- Provide memo on sustainable opportunities, permitting requirements, bike / pedestrian and ADA issues.
- Review meeting with City staff (one [1] meeting)
- Final Conceptual Design Package (15% Plans) in electronic PDF format
- Preparation of document for potential temporary construction easements.
- Preparation of conceptual project budgets

STAGE THREE: SCHEMATIC DESIGN (30% DESIGN PLANS) / OUTREACH

Duration: 4 Months

Once the strategic implementation strategy of improvements has been refined and determined during Phase One, the CONSULTANT will embark upon the 30% design plans of the proposed improvements.

A. Schematic Design (30% Plans)

During this phase of work, the overall project will be developed in sufficient detail to revise and describe the project elements, as well as to further refine the character of the improvements.

1. Based on City comments and selected typical section alternative, CONSULTANT shall proceed with development of design to 30% completion as stated below.
 - i. Review and address City comments. Meet with City to review responses to their comments.
 - ii. Roadway Design Analysis – CONSULTANT shall refine the selected typical section and design proposed profile grade lines. Based on that CONSULTANT will develop proposed cross sections at 50' intervals and show tie-in to adjacent property elevations. Perform adjustments through some iteration to profile grade and cross slopes for proper tie-in to existing conditions.
 - iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer to advance the landscape and hardscape concept plans to 30% plans.
 - iv. Signing – CONSULTANT shall advance regulatory signing plans after City review and comments.
 - v. Street Lighting Design – After FDOT approval of lighting design variance and lighting report, CONSULTANT shall develop the concept plans as stated below.
 1. Lighting construction plans
 2. Electric receptacles construction plans
 3. Electrical voltage drop calculationsElectrical receptacles will be provided in the poles to allow for holiday light decorations, not for major electrical power connection or draw.
 - vi. Underground Coordination – CONSULTANT shall continue coordination with the City and UAOs and hold a design meeting to review potential conflicts.
 - vii. Drainage Design - CONSULTANT shall refine and complete drainage calculations.
 - viii. Restroom building site plan DRC submittal. CONSULTANT shall provide 30% design plans for up to one (1) site plan iteration after budget estimations are accepted. CONSULTANT shall review and address DRC review comments and conduct one meeting with the combined DRC reviewers to resolve comments. CONSULTANT shall make up to one time plan revisions and resubmit final site plan for DRC approval.
3. Schematic Drawing packages will be prepared for 30% plans that will consist of the following necessary disciplines:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Paving, Grading and Drainage
 - g. Paving, Grading and Drainage Details
 - h. Stormwater Pollution Prevention Plan (SWPPP) (N/A)
 - i. Traffic Control Plan Concepts
 - j. Typical Sections

- k. Preliminary Cross Sections
- l. Preliminary Temporary Construction Easements/Average Encroachments
- m. Traffic Signalization Conceptual Plans
- n. Utility Details
- o. Utility Conflict Matrix Sheets
- p. Lighting layout Plans (N/A)
- q. Lighting Photometric Plans
- r. Conceptual Irrigation Memo
- s. Construction Details
- t. SUE tabulation Sheet
- ii. Landscape and Hardscape Concept Plans
 - a. Site Plan Layout
 - b. Hardscape Plans
 - c. Landscape Demolition Plans
 - d. Site Details
 - e. Landscape Plans
- iii. Site Civil Engineering Plans (Restroom Facility -Site Plan Approval)
 - a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans
 - g. Paving, grading and drainage details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. and sewer details
- iv. Architectural Plans (Restroom Facility -Site Plan Approval)

CONSULTANT'S Architect shall provide Schematic plans at a 30% development level including Structural and Mechanical/Electric.

 1. Prepare plan packages for transmittal to City staff for review.
 2. Revise plans based on City comments and resubmit.
 3. This phase includes addressing one round of DRC review comments, one time plan revision and submittal for final approval.

B. On-Going Permit Coordination

Based on selected alternatives coordinate with permitting agencies and document permit parameters for the following agencies

1. Army Corps of Engineers
2. Florida Department of Environmental Protection and Coastal Construction Control Line
3. Florida Fish and Wildlife Conservation
4. Florida Department of Transportation (Design, Traffic Ops, Modal Development, drainage, right of way and permits offices)
5. South Florida Water Management District (SFWMD ERP) and dewatering
6. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
7. Broward County Environmental Regulation Division, Dewatering
8. Broward County Environmental Regulation Division, wastewater
9. Broward County Health Department, water
10. City of Fort Lauderdale Site Plan Approval and Engineering / Preliminary DRC Review
 - i. Site Plan Approval Submittal

- ii. DRC Committee review comments
- iii. Coordination of comment responses for DRC sign off
- iv. DRC review meeting (1). Assumes individual department meetings are not required

C. Public Meetings / Updates

- 1. City Commission
- 2. Beach Redevelopment Advisory Board

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

- 1. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings, which allows for bi-weekly meetings at the beginning of the process, if necessary. CONSULTANT shall prepare meeting minutes, and assist City staff to prepare agendas, and conduct meetings.

E. Sustainability

- 1. During the development of the 30% drawings, the CONSULTANT will also begin to formulate the strategy related to the sustainability opportunities for the project and update the memo. The project does not require identification of LEED credits.

F. Opinions of Probable Construction Cost Estimates

- 1. Review of Design Plans
- 2. Meetings with Designers for clarification.
- 3. Review and evaluate phasing for construction.
- 4. Provide detailed estimates of various disciplines.
- 5. Prepare and separate estimates to individual projects.
- 6. Finalize and submit estimates.

G. Right of Way and Easements

- 1. CONSULTANT shall revise easement locations based on refined design and provide revised document summarizing easement locations.

Deliverables:

- Schematic Design Package (30% Drawings) in PDF format and CADD
- Update permit issues memo
- Staff review meeting of Schematic Design Package for DRC review (up to one [1] meeting) and preparation of meeting notes
- Resubmittal of revised Schematic Design Package to DRC for final approval
- Public meeting updates
- Preparation of public information updates (up to six [6]) using exhibits prepared to date. City is responsible for all publishing and posting on City Web Page.
- Update technical memorandum regarding potential sustainable opportunities for the project.
- Preparation of conceptual project budgets.
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to seven (7) meetings / months. CONSULTANT to rely upon City staff to disseminate materials to the public.

PHASE II: DETAILED DESIGN

Duration: (3 months)

DETAILED DESIGN (50%, 90%, 100% PLANS)

A. Design Development and Final Construction Documents (50%, 90%, 100% Plans)

During this phase of work, the overall project will be developed in sufficient detail to submit to permitting agencies and City.

1. CONSULTANT shall review and address a one-time phase comments by City
2. CONSULTANT shall meet with City staff to resolve comments and responses.
3. CONSULTANT shall review and respond to FDOT comments.
4. CONSULTANT shall prepare Design Development package that will include:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey, right-of-way
 - e. Demolition Plans
 - f. Site Plan Layout
 - g. Hardscape plans
 - h. Site Details
 - i. Paving, Grading and Drainage
 - j. Paving, Grading and Drainage Details
 - k. Stormwater Pollution Prevention Plan (SWPPP)
 - l. SWPPP Details
 - m. Traffic Control Plan Details
 - n. Typical Sections
 - o. Cross Sections
 - p. Temporary Construction Easements
 - q. Utility Details
 - r. Utility Conflict Matrix Sheets
 - s. Signing
 - t. Lighting Plans
 - u. Traffic Signalization Plans
 - v. Landscape Plans
 - w. Irrigation Plans
 - x. Construction Details
 - y. Specifications
 - ii. Site Civil Engineering Plans (Restroom Facility -Site Plan Approval)
 - a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans
 - g. Paving, grading and drainage details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. water and sewer details
 - iii. Architectural Plans (Restroom Facility -Site Plan Approval)

CONSULTANT'S Architect shall provide Schematic plans at a 50% development level including Structural and Mechanical/Electric.

5. Prepare plan packages for transmittal to City staff for review.
6. Conduct one comment / response resolution meeting and revise plans based on City comments.

B. Engineering Permits

Based on plans progress, CONSULTANT shall continue coordination with permit agencies, submit permit applications and respond to comments.

- b. Florida Department of Environmental Protection and Coastal Construction Control Line
- c. Florida Fish and Wildlife Conservation
- d. Florida Department of Transportation (Design, Traffic Operations, Modal Development, drainage, right of way and permits offices)
- e. South Florida Water Management District (SFWMD ERP) and dewatering
- f. City of Fort Lauderdale Engineering
- g. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
- h. Broward County Environmental Regulation Division, Dewatering

C. Public Meeting Updates

CONSULTANT shall attend and provide updates to the City. CONSULTANT will assist City staff to prepare agendas, conduct meetings and disseminate information.

- i. City Commission meeting
- j. Beach Redevelopment Advisory Board (2 meetings)

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

- k. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings. CONSULTANT to rely upon City staff to disseminate materials to the public.

E. Sustainability

- l. The CONSULTANT will coordinate and refine document for sustainability opportunities.

F. Opinions of Probable Construction Cost Estimates

- m. Review of 50% Design Development plans.
- n. Meetings with Designers for clarification.
- o. Evaluate Construction Phasing.
- p. Provide updated detailed estimates.
- q. Finalize and submit updated estimates.

Deliverables:

- Design Development Package (50% Drawings) in PDF format and CADD.
- Staff review meeting of Package (up to one [1] meeting) and preparation of meeting notes.
- Public meeting updates (up to six [6] meetings).
- Preparation of a revised technical memorandum regarding sustainability opportunities for the project, including up to one (1) meeting for review.
- Preparation of revised opinion of probable construction cost estimates.
Preparation of monthly reports and preparation and participation in monthly staff meetings (up to four (4) meetings / months).

PHASE III:
BIDDING ASSISTANCE

A. BIDDING ASSISTANCE

During this phase of work, CONSULTANT will assist the City in preparation of bid documents.

1. Project Manual Preparation
 - i. Plans - CONSULTANT shall submit final bid plans in pdf format to City for bidding purposes. CONSULTANT shall provide up to 30 sets of 11 x17 sheet size prints / CD / DVD to bidders and provide list of bidders to City.
 - ii. Boilerplate - City will provide the latest boilerplate in a WORD document. CONSULTANT will coordinate with City to fill in project information and contractor qualifications and provide technical specifications that are not shown or referenced on the plans.
 - iii. Bid Items - CONSULTANT will coordinate with City and provide a list of bid items.
2. Review by City staff - CONSULTANT will submit bid document to City for review.
3. Request for information (RFI) assistance - CONSULTANT will review bid RFIs and respond up to 5 RFIs with revisions of up to 10 plan sheets. CONSULTANT will forward responses and sheets in pdf format to City. City will be responsible for formatting and issuing addenda.
4. Pre-bid Meeting – CONSULTANT shall attend one pre-bid meeting with City staff to help answer questions. City shall be responsible for all meeting preparation and invitation.
5. Bid Review -
 - i. Bid Tabulation – CONSULTANT shall review bid tabulation provided by City.
 - ii. Recommendation – CONSULTANT shall review bids for inconsistencies and coordinate with City to provide recommendations.
 - iii. CONSULTANT will provide additional services under the Construction Phase Services.

B. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Up to (2) Progress Report to City staff related to bidding items.

PHASE IV CONSTRUCTION PHASE SERVICES

Construction phase services will be negotiated at a later time as required.

PROJECT ASSUMPTIONS

Specific assumptions for the project:

1. City and stakeholder related meetings for Almond Ave will be conducted at the same meetings as for SR A1A. Both projects will be integrated and run along the same schedule as the Las Olas improvements up to the 30% Phase.

CITY'S REPOSNSIBILITIES

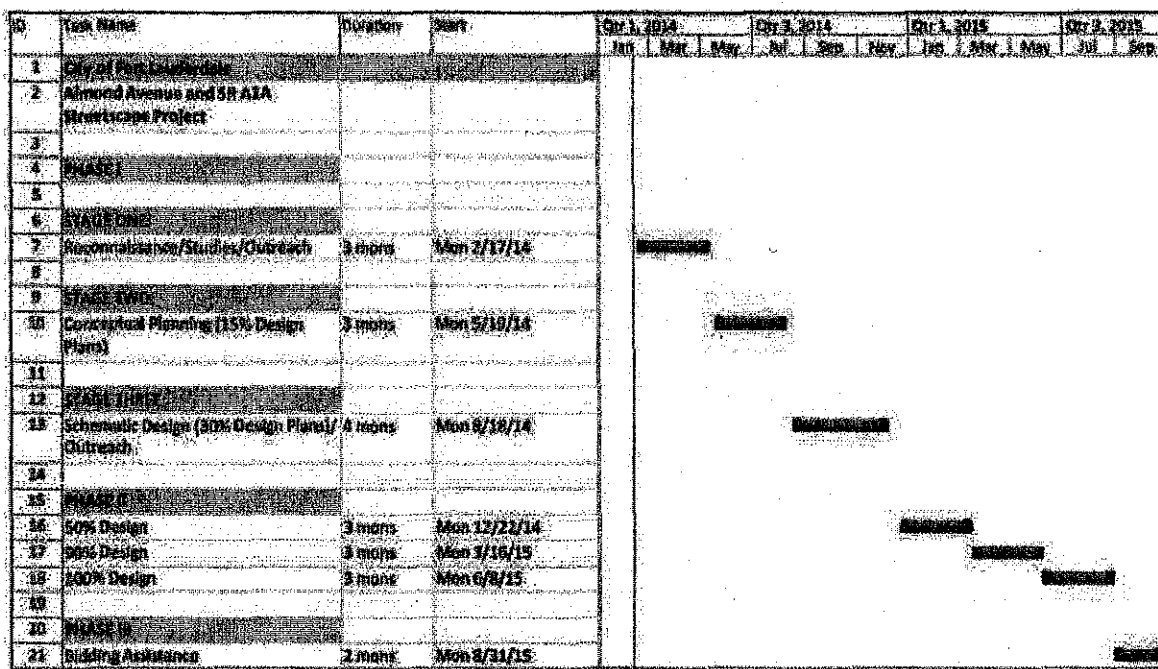
- The CITY's project manager, or a designated representative, will coordinate the project for the CITY.
- The CITY will provide all available existing as-built drawings, reports in a usable form by the CONSULTANT
- CITY will provide CONSULTANT access to project site as required.

ADDITIONAL SERVICES

If authorized in writing by the CITY as an amendment to this Agreement, the CONSULTANT shall furnish, or obtain from others, Additional Services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified above in



METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. Reimbursable expenses associated with these services are included in the fees and itemized separately, subject to an established Not-to-Exceed limit. The total hourly rates payable by the CITY for each of CONSULTANT'S employee categories, reimbursable expenses and sub-consultant fees are shown on Exhibit "C" of Contract.

TERMS OF COMPENSATION

Services shall be provided for the following Not-to-Exceed amounts:

SR A1A (East and West sides)

Task No.	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
1	Stage One: Reconnaissance / Studies / Outreach	KHA		\$ 52,605
			EDSA	\$ 11,350
			CMS	\$ -
			Dickey	\$ 3,950
			Keith and Assoc	\$ 49,300
			Tierra	\$ 6,725
			JALRW	\$ 1,000
			S&F	\$ -

			ACAI	\$ 9,755
Subtotal				\$134,685
Task No	Description	Consultant	Sub consultant	Total
I	Stage Two & Three: Conceptual Planning & Schematic Design (15% & 30% Design Plans) / Outreach / Programming	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$186,397 \$ 73,740 \$ 5,408.16 \$ 2,165 \$ - \$ - \$ 1,300 \$ 2,750 \$ 32,250
Subtotal				\$304,010.16
Task No	Description	Consultant	Sub consultant	Total
II	Detailed Design (50%,90%,100% Plans)	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$200,511 \$ 52,500 \$ 4,420.69 \$ 950 \$ - \$ - \$ 17,550 \$ 9,120 \$ 35,150
Subtotal				\$320,201.69
Task No	Description	Other Cost		Total
		Consultant	Sub consultant	
III	Bidding Assistance	KHA	EDSA CMS Dickey Keith and Assoc	\$ 21,214 \$ 4,880 \$ - \$ - \$ -

	Tierra	\$ -
	JALRW	\$ 3,189
	S&F	\$ 480
	ACAI	\$ 8,584
Subtotal		\$ 38,347
Total I, II,III		\$797,243.85
Reimbursable Expenses		\$ 9,980
Geotechnical Field Testing		\$ 5,473
GRAND TOTAL		\$812,696.85

ALMOND AVENUE

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
I	Stage One: Reconnaissance / Studies / Outreach	KHA		\$ 11,168
			EDSA	\$ 580
			CMS	\$ -
			Dickey	\$ 380
			Keith and Assoc	\$ 13,495
			Tierra	\$ 5,305
			JALRW	\$ 125
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$ 31,053
Task No	Description	Consultant	Sub consultant	Total
I	Stage Two & Three: Conceptual Planning & Schematic Design (15% & 30% Design Plans) / Outreach / Programming	KHA		\$ 83,045
			EDSA	\$ 26,000
			CMS	\$ 4,131.70
			Dickey	\$ 380
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ 250
			S&F	\$ -

			ACAI	\$ -
Subtotal				\$113,806.70
Task No	Description	Consultant	Sub consultant	Total
II	Detailed Design (50%,90%,100% Plans)	KHA		\$ 95,081
			EDSA	\$ 24,680
			CMS	\$ 6,281.80
			Dickey	\$ 2,280
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ 3,375
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$131,697.80
Task No	Description	Other Cost		Total
		Consultant	Sub consultant	
III	Bidding Assistance	KHA		\$ 14,109
			EDSA	\$ 5,790
			CMS	\$ -
			Dickey	\$ -
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ 600
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$ 20,499
Total I, II, III				\$297,056.50
Reimbursable Expenses				\$ 2,680
Geotechnical Field Testing				\$ 5,182.07
GRAND TOTAL				\$304,918.57

NOTE: TERMS OF COMPENSATION ARE DESCRIBED IN DETAIL IN EXHIBIT "2"

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. Please be sure that all correspondence refers to the City project number and title as stated above.

City of Fort Lauderdale
City Hall, 4th Floor – Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301

CONSULTANT CONTACTS

Marwan Mufleh, P.E.

Kimley-Horn and Associates, Inc.

1690 South Congress Avenue Suite 100

Delray Beach, FL 33445-6327

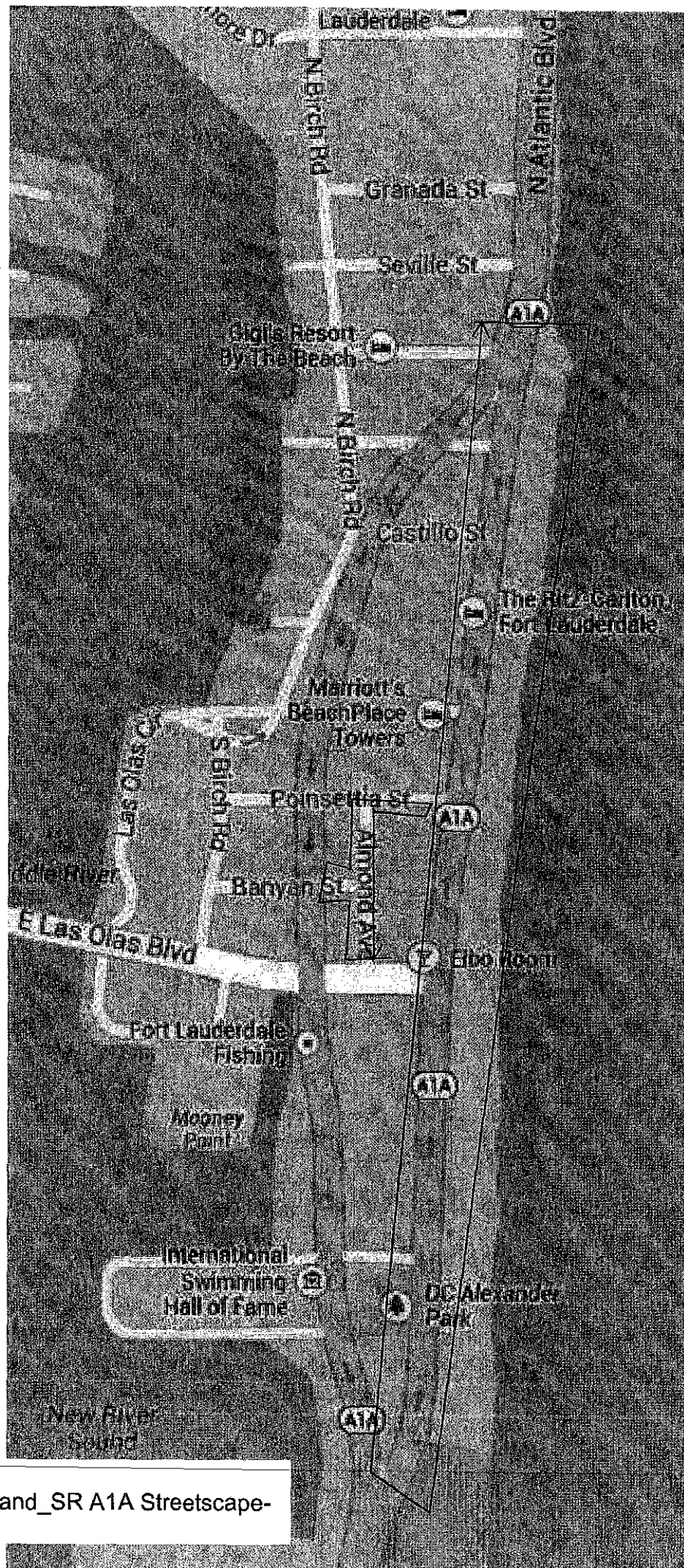
Phone Direct 561-404-7241

Office 561-330-2345

Fax 561-330-2245

email: marwan.mufleh@kimley-horn.com

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Scope_Almond Av_ and_SR A1A Streetscape-20140113.docx

EXHIBIT 1

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: _____ Rev 2/10/14
 Date Prepared: 1/13/2014
 Estimated By: MM - Kimley-Horn and Associates, Inc.

Labor Tasks:	Estimated Effort Required										Total
	Kimley-Horn	ACAI	CMS	Dickey	EDSA	JALRW	Keith Assoc	S & F	Tierra		
Stage 1	Recon./Studies/Outreach	\$52,605	\$9,755	\$0.00	\$3,950	\$11,350	\$1,000	\$49,300	\$0	\$6,725	\$134,685.00
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$186,397	\$32,250	\$5,408.16	\$2,165	\$73,740	\$1,300	\$0	\$2,750	\$0	\$304,010.16
PHASE II	Design Development (50%, 90%, 100% Plans)	\$200,511	\$35,150	\$4,420.69	\$950	\$52,500	\$17,550	\$0	\$9,120	\$0	\$320,201.69
PHASE III	Bidding Phase Services	\$21,214	\$8,584	\$0.00	\$0	\$4,880	\$3,189	\$0	\$480	\$0	\$38,347.00
	Total Labor:	\$460,727	\$85,739	\$9,828.85	\$7,065	\$142,470	\$23,039	\$49,300	\$12,350	\$6,725	\$797,243.85
Expense Tasks:											
700	Reimbursable Expenses Allowance	\$7,500	\$1,000	\$180.00	\$0	\$500	\$0	\$800	\$0		\$9,980.00
	Geotechnical Field Testing									\$5,473.00	\$5,473.00
	Total Expenses:	\$7,500	\$1,000	\$180.00	\$0	\$500	\$0	\$800	\$0	\$5,473	\$15,453.00
	Total Project:	\$468,227	\$86,739	\$10,008.85	\$7,065	\$142,970	\$23,039	\$50,100	\$12,350	\$12,198	\$812,696.85

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) Estimated Project Duration:
 Project Number 0 n, Permitting, & Bidding: months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months
 Estimated Budget M - Kimley-Horn and Associates, Inc. Total: months

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)					KHA Labor Total	Misc. Direct Expense (\$)
		PM / Principal	Senior Prof / Sr. Spec	Prof / Senior Designr	Engineer	Principal Traffic / Lighting Engr		
PHASE I								
Stage 1	Recon./Studies/Outreach							
	Project setup - Establish project folder, contracts, procedures							
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.	3	2	4				
	Establish project schedule, team review, provide to City, revise & update							
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team	3	2	8	4			
	Project kick-off meeting with City Staff, coordinate date, agenda, prep. Minutes, action items follow up	4		6				
	Follow-up staff meeting with City include minutes, follow up (1 meeting)	4		6				
	Review of Existing data/Collection of additional base data							
	Review existing data provided by City. Draw outlines in CADD			4	12			
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.	1		6	8	4		
	Obtain FDOT record plans and ROW maps & review against survey				6			
	Review FDOT's safety study at Alhambra St. intersection							
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC, USEWS, Army Corps	12		8				
	-visit Agencies, research their records & retrieve info.			8				
	review records		4					
	Perform Complete Streets Design review including, bicycle, ped zone, transit							
	Identify & coordinate transit facilities for ADA compliance (City and County)							
	Conduct ADA review, document all deficiencies, propose improvements	1						
	Assessment of existing & metered parking impacted by the project			4				
	Initial FDOT coordination	2		4				
	Establish design criteria, prepare technical design criteria			4	24			
	Research & coordinate street light fixtures to obtain info and specs	1		2		6		
	Coordinate with City on FDOT's IDLE app, status & follow up							
	Review FDOT Road Safety Audit & discuss recommendations							
	Identify Coord. establish contacts & status matrix			2	2			
	-transmit & receive marked up plans, files, review & draw in CAD			4	4			
	-compare info with survey & perform field review to confirm			6	6			
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)							

EXHIBIT 2 - COST DETAILS

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)					KHA Labor Total	Misc. Direct Expense (\$)
		PM / Principal	Senior Prof / Sr. Spec	Prof / Senior Designr	Engineer	Principa Traffic / Lighting Engr		
	Data, historic growth, diversion, traff impact analysis, memo	2		12	24	18		
	Broward County Traffic Division meeting and coord.							
	Geotechnical Investigation Services (ISR)							
	Design Survey Services (K&A)							
	Subsurface Utility Exploriation (SUE) Services (K&A)							
	Refinement of a site opportunities and constraints plan							
	Prepares diagram-present site opportunities include photo of existing							
	One review meeting with City Staff-discuss document for revision	4						
	Public information							
	Attend 2 City Commission meeting	4						
	Attend 2 Beach Redevelopment Advisory Board meeting	4		4				
	Attend 2 Central Beach Alliance meeting	4		4				
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop	4	4	4				
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 4 mgs with Staff, 3 mgs with BRAB			20				
	Preparation of monthly reports (up to three (3))							
	Subtotal (Hours)	64	22	143	70	32		\$0
	Task Total (Dollars)	\$13,440	\$3,960	\$20,735	\$7,910	\$6,560	\$52,605	\$0
	Stage 2 & 3							
	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing	1	2	12	24			
	Roadway / Sidewalk Design Analysis- typ sections, ped. cafe, furniture zones, preliminary cross sections, etc.	8	4	48	32			
	-revise typ sections	1	2	6	8			
	Preliminary signing plans	2	6	6	18			
	Street Lighting Design- fixtures, photometric analysis, location	4		38		8		
	Street lighting FDOT style analysis report			60		8		
	Lighting design variance to FDOT	2		16		8		
	Lighting meeting with FDOT, revise analysis & report based on comments			28		6		
	Landscape & Hardscape Design & Plans for A1A							
	Typical Section development & renderings (3)							
	Walkway artistic designs & connection to private property							
	Demolition Plan							
	Landscape Concept Plans & Schematic Design							
	Hardscape Concept Plans & Schematic Design							
	SIC furnishings & details							
	Utility Coordination Process for all Agencies:							

EXHIBIT 2 - COST DETAILS

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)					KHA Labor Total	Misc. Direct Expense (\$)
		PM / Principal	Senior Prof / Sr. Spec	Prof / Senior Designr	Engineer	Principa Traffic / Lighting Engr		
	Prepare submittals to UAOs at 15% and 30% submittal phases	1		4	16			
	Prepare and invite for pre-design utility mtg. of all UAOs	3		5	7			
	Prepare and invite for conflict resolution utility mtg. of all UAOs	3		8	12			
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering							
	Kick-off Meeting/Project Management		4	4				
	Tour site/ take pictures/gather site info.			3	3			
	Meetings (1 City Staff / 1 Internal)			6	6			
	Coordination with Arch/LA			6	4			
	CE Site Plan Update		2	4	9			
	Architectural Design for Restroom Facility (Concept & DRG)							
	Preliminary Architectural Site Plan Concepts							
	DRG Site Plan Submittal & Response to Comments							
	Structural Design							
	MEP Design							
	Landscape Design							
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages							
	Survey of existing conditions including topographic				4			
	Cover Sheet		1	1	6			
	Project sheet layout			2	8			
	Legend & General Notes		1	4	8			
	Horizontal and vertical control sheets		1	1	3			
	Sidewalk Typical Sections	1	2	8	8			
	Paving, Grading		2	14	36			
	Paving, Grading Details	1		4	8			
	Sidewalk Preliminary Cross Sections		2		24			
	Lighting Photometric layout	1		8		4		
	Lighting Plans				26			
	Stormwater Pollution Prevention Plan (SWPPP)							
	Traffic Control Plan Concepts	6		16	16			
	Preliminary Temporary Construction Easements	2	2	24				
	Conceptual Irrigation Memo		8	5				
	Construction Details	2	4	8	8			
	SUE Tabulation Sheet		2	6	3			
	Review & revise Plans based on City review comments	6	4	16	16			
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package							
	Cover Sheet				3			
	PGD plan	2	4	6	12			
	Utility Plan		2	6	10			
	Erosion Control Plan	1	1	2	4			
	Detail Sheets (PGD, Erosion, Utility)		1	3	3			
	General Notes		1	2	3			
	Permitting Coordination for Roadway & Restroom Bldg							

EXHIBIT 2 - COST DETAILS

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)						Misc. Direct Expense (\$)
		PM / Principal	Senior Prof / Sr. Spec	Prof / Senior Designr	Engineer	Principal Traffic / Lighting Engr	KHA Labor Total	
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)	6	4	24				
	SFWMD and dewatering	1	2	4				
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage	1	1	4				
	Broward Co Environ Reg Div, Dewatering	1	1	4				
	Broward County Traffic Division (Signal)	1		2	2	4		
	City of Ft. Lauderdale Engineering	1	2	16				
	State DEP			2			16	
	Army Corps (N/A)							
	FWCA/SEWS	2		2	12	40		
	Opinions of Probable Construction Cost Estimates (OPC)							
	Prepare OPC	1	2	4	8			
	Right of Way and Easements							
	Identify preliminary const. easement needs	2		8	8			
	Sustainability							
	review opportunities and alternatives (Memo incl. update)	1	2	6				
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City							
	Plan revision	4	2	8	16			
	City Staff and Consultant review of public input							
	Preparation for and participate in 1 meeting with City staff	4		6				
	Preparation of meeting notes from meeting	1		2				
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)	4		4				
	Attend Beach Redevel Advisory Board (2 mtgs)	4		4				
	City staff meeting at 15%	2		2				
	Stakeholder meeting (up to 2)	4		6				
	on-going staff progress meetings (up to 8)	6		18				
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months/reports)							
	Preparation for meetings and monthly progress reports; prepare minutes			12				
	Subtotal (Hours)	108	78	570	419	96		\$0
	Task Total (Dollars)	\$22,680	\$14,040	\$82,650	\$47,347	\$19,680	\$186,397	\$0

EXHIBIT 2 - COST DETAILS

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)					KHA Labor Total	Misc. Direct Expense (\$)
		PM / Principal	Senior Prof / Sr. Spec	Prof / Senior Designr	Engineer	Principial Traffic / Lighting Engr		
PHASE II	Design Development (50%, 90%, 100% Plans)							
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases	36	24	32				
	Revise Plans based on City comments			24				
	Review/respond to TDCU comments	4	8	38				
	Utility Coordination Meeting & follow up	1		4	16			
	Landscape & Hardscape Plans for A1A							
	Landscape Concept Plans & Schematic Design							
	Hardscape Concept Plans & Schematic Design							
	Site furnishings & details							
	CE Plans and Design Analysis							
	Cover Sheet		1		2			
	Legend and General Notes		1		2			
	Horizontal and Vertical Control Sheet		1		2			
	Survey of Existing Conditions, including topographic survey				24			
	Sheet Layout			1	2			
	Paving, Grading and Drainage							
	Paving, Grading and Drainage Details		6	28	38			
	Stormwater Pollution Prevention Plan (SWPPP)			6	24			
	SWPPP Details	1	2	6	16			
	Traffic Control Plan details	1	2	32	36			
	Typical Sections	1	1	4	8			
	Cross Sections	2	2	20	38			
	Temporary Construction Easements	1	2	16	24			
	Utility Conflict Matrix	1	1	8	16			
	Signing Plans	2		18	18	6		
	Lighting Plans	2		16	40	4		
	Signalization Plans	4		40	80	32		
	Irrigation Plans	2	16	38	20			
	Construction Detail	2	2	16	16			
	SUE Tabulation Sheet	2	2	2	12			
	Prepare and submit (90% - 100% Plans) Restroom/Civil Construction plans/drawing packages							
	Cover Sheet				1			
	PGD plans				6			
	Utility Plan	2		6	6			
	Erosion Control Plan	1		2	2			
	Detail Sheets (PGD, Erosion, Utility)			2	4			
	General Notes			1	2			
	Architectural Design for Restroom Facility (Concept & DRC)							
	Preliminary Architectural Site Plan Concepts							
	DRC Site Plan Submittal & Response to Comments							
	Structural							
	MEP Design							
	Landscape							
	Draft & Final Specifications	4	32	16				

EXHIBIT 2 - COST DETAILS

Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)					KHA Labor Total	Misc. Direct Expense (\$)
		PM/Principal	Senior Prof/Sr. Spec	Prof/Senior Designr	Engineer	Principa Traffic/Lighting Engr		
Permit Packages & RAI's								
Address final comments from permitting agencies below								
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)	4	24	12				
	SPWMD ERP and dewatering	2	16	16				
	City of Ft. Lauderdale Engineering	4	4	16				
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage	1	8	8				
	Broward Co Environ Reg Div, Dewatering	1	8	4				
	Broward County Traffic Engineering (signal)	1	12	24	4			
	State DEP	1		16	24			
	Army Corps (N/A)							
	FWC/USFWS	4		24	68			
Public Meeting Updates								
Attend City Commission (1 meeting)								
	Attend Beach Redev Advisory Board - (2 meetings)	4		4				
Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)								
	Prepare for monthly progress reports with City Staff	3		6				
	on-going staff progress meetings (up to 6)	12		18				
Sustainability								
	Update document	1	4					
Opinions of Probable Construction Cost Estimates								
	update OPC	3		16	24			
Subtotal (Hours)		88	182	536	557	42		\$0
Task Total (Dollars)		\$18,480	\$32,760	\$77,720	\$62,941	\$8,610	\$200,511	\$0
PHASE III Bidding Phase Services								
Project Manual preparation								
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD				8			
	Box/plate review & fill gaps into specs	2	16	16				
	Bid items - Coordinate/provide City with list of bid items	2	3	6	6			
	Review by City Staff submit bid document to City for review			2	4			
	RFI assistance - Review/respond up to 5 RFIs	4	2	20				
	Pre-bid Meeting - attend 1 with City staff to answer questions	2		4				
	Review bids and tabulate them	2		6				
	Review for inconsistencies, provide City w/ recommendations			4				
	Attend 2 coord. Meetings with City and 1 with selected contractor	12		12				
Task Total (Dollars)		\$9,250	\$3,780	\$10,150	\$2,034	\$0	\$21,214	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: ACAI SA696 Rev 2/12/14
 Date Prepared: 1/13/2014
 Estimated By: GHH/ACAI

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$9,755
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$32,250
PHASE II	Design Development (50%, 90%, 100% Plans)	\$35,150
PHASE III	Bidding Phase Services	\$8,584
Total Labor:		\$85,739

Expense Tasks:		
801	Expenses	\$1,000
Total Expenses:		\$1,000
Total Project:		\$86,739

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated Budget GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.	1					200
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff coordinate date/agenda prep. Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)	1					200
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USEWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	-review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						
	Conduct ADA review, document all deficiencies; propose improvements						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated By GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements		2				300
	Establish design criteria, prepare DEMAND ANALYSIS	2	6		3		1555
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City of FDOT IDLC app. status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord-establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	-compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord.						
	Geotechnical Investigation Services (TSE)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploration (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						
	Prepare diagram-present site's opportunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						
	Public information						
	Attend 2 City Commission meeting						
	Attend 2 Beach Redevelopment Advisory Board meeting						
	Attend 2 Central Beach Alliance meeting						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Num ACAI SA696

Date Prepara 1/13/2014

Estimated B GHH/ACAI

Rev 2/12/14

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.			
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop							
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff/ 2 mtgs with BRAB							
	Preparation of monthly reports (up to three (3))							
	ACAI PROJECT AND CONSULTANT MANAGEMENT		50					
	Subtotal (Hours)	4	58	0	3	0		\$0
	Task Total (Dollars)	\$800	\$8,700	\$0	\$255	\$0	\$9,755	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway Sidewalk Design Analysis typ sections, ped. cafe furniture zones, preliminary cross sections, etc.							
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)							
	Street lighting FDOT style analysis report							
	Lighting design variance to FDOT							
	Lighting meeting with FDOT, revise analysis & report based on comments							
	Landscape & Hardscape Design & Plans for A1A							
	Typical Section development & renderings (3)							
	Walkway artistic designs & connection to private property							
	Demolition Plan							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number ACAI SA696

Date Prepared 1/13/2014

Estimated By GHH/ACAI

Rev 2/12/14

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg. of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management		2				300
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff, 1 Internal)						
	Coordination with Arch/LA						
	CF Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts	4	60		150		
	DRC Site Plan Submittal & Response to Comments		40		40		
	Structural Design						
	MEP Design						
	Landscape Design						
	RENDERING - LUMPSUM						2000
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated By GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUP Tabulation Sheet						
	Review & revise Plans based on City review comments						
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number ACAI SA696

Date Prepared 1/13/2014

Estimated Budget/GHH/ACAI

Rev 2/12/14

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	EWC/USEWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary constr easement needs						
	Sustainability						
	review opportunities and alternatives (Memo incl. update)						
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City						
	Plan revision						
	City Staff and Consultant review of public input						
	Preparation for and participate in 1 meeting with City staff						
	Preparation of meeting notes from meeting						
	Public Meetings / Updates						
	Attend City Commission (2 mtgs)						
	Attend Beach Redevel Advisory Board (3 mtgs)						
	City staff meeting at 15%						
	Stakeholder meeting (up to 2)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated By GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.			
	on-going staff progress meetings (up to 8)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports; prepare minutes							
	Subtotal (Hours)	4	102	0	190	0		\$0
	Task Total (Dollars)	\$800	\$15,300	\$0	\$16,150	\$0	\$32,250	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)							
	Review and address City comments; meet to resolve comments for 30%, 50% & 90% phases							
	Revise Plans based on City comments							
	Review/respond to FDOT comments							
	Utility Coordination Meeting & follow up							
	Landscape & Hardscape Plans for A1A							
	Landscape Concept Plans & Schematic Design							
	Hardscape Concept Plans & Schematic Design							
	Site furnishings & details							
	CE Plans and Design Analysis:							
	Cover Sheet							
	Legend and General Notes							
	Horizontal and Vertical Control Sheet							
	Survey of Existing Conditions, including topographic survey							
	Sheet Layout							
	Paving, Grading and Drainage							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Num ACAI SA696

Date Prepara 1/13/2014

Estimated B GHH/ACAI

Rev 2/12/14

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Maps						
	Signing Plans						
	Lighting Plans						
	Signalization Plans						
	Irrigation Plans						
	Construction Detail						
	SCE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts	5	60		120		
	DRC Site Plan Submittal & Response to Comments		20		40		
	Structural						
	MEP Design						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated By GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.		
	Landscape						
	Draft & Final Specifications		20				3000
	Permit Packages & RAI's						
	Address final comments from permitting agencies below		20		30		5550
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						
	SEWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering						
	Broward Co Environ Reg Div, Bayview Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Engineering (Signal)						
	State DEP						
	Army Corps (NA)						
	FWC/USFWS						
	Public Meeting Updates						
	Attend City Commission (1 meeting)						
	Attend Beach Redev Advisory Board - (2 meetings)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)						
	Prepare for monthly progress reports with City Staff						
	on-going staff progress meetings (up to 8)						
	Sustainability						
	Update document						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number ACAI SA696
 Date Prepared 1/13/2014 Rev 2/12/14
 Estimated By GHH/ACAI

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Chief Consulting Architect	Staff Architect	Staff Pro.			
	Opinions of Probable Construction Cost Estimates							
	update OPC							
	Subtotal (Hours)	5	120	0	190	0		\$0
	Task Total (Dollars)	\$1,000	\$18,000	\$0	\$16,150	\$0	\$35,150	\$0
	PHASE III Bidding Phase Services							
	Project Manual preparation							
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info, specs							
	Bid items-Coordinate/provide City with list of bid items		12					
	Review by City Staff-submit bid document to City for review							
	RFI assistance-Review/respond up to 10 RFIs		23.6					
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them	4	10		8			
	Review for inconsistencies, provide City w/recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor	4			8	0		\$0
	Task Total (Dollars)	\$840	\$6,840	\$0	\$904	\$0	\$8,584	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
Project Number: _____ 0 Rev 2/10/14
Date Prepared: 1/13/2014
Estimated By: CMS

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$0.00
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$5,408.16
PHASE II	Design Development (50%, 90%, 100% Plans)	\$4,420.69
PHASE III	Bidding Phase Services	\$0.00
Total Labor:		\$9,828.85
Expense Tasks:		
801	Expenses	\$180.00
		\$0.00
Total Expenses:		\$180.00
Total Project:		\$10,008.85

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014

Rev 2/10/14

Estimated By CMS

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
PHASE I						
Stage 1	Recon./Studies/Outreach					
	Project setup - Establish project folder, contracts, procedures					
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.					
	update					
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team					
	Project kick-off meeting with City Staff coordinate date/agenda prep. Minutes, action items follow up					
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)					
	Review of Existing data/Collection of additional base data					
	Review existing data provided by City. Draw utilities in CADD					
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.					
	Obtain FDOT record plans and ROW maps & review against survey					
	Review FDOT's safety study at Alhambra St. intersection					
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USFWS, Army Corps					
	-visit Agencies, research their records & retrieve info.					
	review all records and summarize results in a document					
	Perform Complete Streets Design review including, bicycle, ped zone, transit					
	Identify & coordinate transit facilities for ADA compliance (City and County)					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By CMS

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	Conduct ADA review, document all deficiencies; propose improvements					
	Assessment of existing & metered parking impacted by the project					
	Initial FDOT coordination & grant updates, review previous agreements					
	Establish design criteria; prepare technical design criteria					
	Research & coordinate street light fixtures to obtain info and specs					
	Coordinate with City on FDOT S/D/C app. status & follow up					
	Review FDOT Road Safety Audit & discuss recommendations					
	Utility Coord-establish contacts & status matrix					
	-transmit & receive marked up plans, files, review & draw in CAD					
	-compare info with survey & perform field review to confirm					
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)					
	Data, historic growth, diversion, traff impact analysis, memo					
	Broward County Traffic Division meeting and coord					
	Geotechnical Investigation Services (TSE)					
	Design Survey Services (K&A)					
	Subsurface Utility Exploriation (SUE) Services (K&A)					
	Refinement of a site opportunities and constraints plan					
	Prepare diagram-present site's opportunities, include photo of existing					
	One review meeting with City Staff-discuss document for revision.					
	Public information					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated B CMS _____

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator			
	Attend 2 City Commission meeting							
	Attend 2 Beach Redevelopment Advisory Board meeting							
	Attend 2 Central Beach Alliance meeting							
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop							
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff/ 2 mtgs with BRAB							
	Preparation of monthly reports (up to three (3))							
	Subtotal (Hours)	0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway Sidewalk Design Analysis typ sections, ped, cafe, furniture zones, preliminary cross sections, etc							
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)							
	Street lighting FDOT style analysis report							
	Lighting design variance to FDOT							
	Lighting meeting with FDOT, revise analysis & report based on comments							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget CMS

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	Landscape & Hardscape Design & Plans for A1A					
	Typical Section development & renderings (3)					
	Walkway artistic designs & connection to private property					
	Demolition Plan					
	Landscape Concept Plans & Schematic Design					
	Hardscape Concept Plans & Schematic Design					
	Site furnishings & details					
	Utility Coordination Process for all Agencies:					
	Prepare submittals to UAOs at 15% and 30% submittal phases					
	Prepare and invite for pre-design utility mtg. of all UAOs					
	Prepare and invite for conflict resolution utility mtg. of all UAOs					
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering					
	Kick-off Meeting/Project Management					
	Tour site/ take pictures/gather site info.					
	Meetings (1 City Staff, 1 Internal)					
	Coordination with Arch/LA					
	CE Site Plan Update					
	Architectural Design for Restroom Facility (Concept & DRG)					
	Preliminary Architectural Site Plan Concepts					
	DRG Site Plan Submittal & Response to Comments					
	Structural Design					
	MEP Design					
	Landscape Design					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By CMS

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages					
	Survey of existing conditions including topographic					
	Cover Sheet					
	Project sheet layout					
	Legend & General Notes					
	Horizontal and vertical control sheet					
	Sidewalk Typical Sections					
	Paving, Grading					
	Paving, Grading Details					
	Sidewalk Preliminary Cross Sections					
	Lighting Photometric layout					
	Lighting Plans					
	Stormwater Pollution Prevention Plan (SWPPP)					
	Traffic Control Plan Concepts					
	Preliminary Temporary Construction Easements					
	Conceptual Irrigation Memo					
	Construction Details					
	SUE Tabulation Sheet					
	Review & revise Plans based on City review comments					
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package					
	Cover Sheet					
	PGD plan					
	Utility Plan					
	Erosion Control Plan					
	Detail Sheets (PGD, Erosion, Utility)					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget CMS

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	General Notes					
	Permitting Coordination for Roadway & Restroom Bldg					
	FDOT (Design, Traffic, Medial Dev, ROW and permits office)					
	SFWMD and dewatering					
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage					
	Broward Co Environ Reg Div, Dewatering					
	Broward County Traffic Division (Signal)					
	City of Ft. Lauderdale Engineering					
	State DEP					
	Army Corps (N/A)					
	FWC/USFWS					
	Opinions of Probable Construction Cost Estimates (OPC)					
	Prepare OPC	4	30	9	7	
	Right of Way and Easements					
	Identify preliminary constr. easement needs					
	Sustainability					
	review opportunities and alternatives (Memo incl. update)					
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City					
	Plan revision					
	City Staff and Consultant review of public input					
	Preparation for and participate in 1 meeting with City staff					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated By CMS

ated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator			
	Preparation of meeting notes from meeting							
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)							
	Attend Beach Redev Advisory Board (3 mtgs)							
	City staff meeting at 15%							
	Stakeholder meeting (up to 2)							
	on-going staff progress meetings (up to 8)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports, prepare minutes							
	Subtotal (Hours)	4	30	9	7	0		\$0
	Task Total (Dollars)	\$743.64	\$3,242.10	\$855.00	\$567.42	\$0.00	\$5,408.16	\$0
	PHASE II Design Development (50%, 90%, 100% Plans)							
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases							
	Revise Plans based on City comments							
	Review/respond to FDOT comments							
	Utility Coordination Meeting & follow up							
	Landscape & Hardscape Plans for A1A							
	Landscape Concept Plans & Schematic Design							
	Hardscape Concept Plans & Schematic Design							
	Site furnishings & details							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated B CMS

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	CE Plans and Design Analysis:					
	Cover Sheet					
	Legend and General Notes					
	Horizontal and Vertical Control Sheet					
	Survey of Existing Conditions, including topographic survey					
	Sheet Layout					
	Paving, Grading and Drainage					
	Paving, Grading and Drainage Details					
	Stormwater Pollution Prevention Plan (SWPPP)					
	SWPPP Details					
	Traffic Control Plan details					
	Typical Sections					
	Cross Sections					
	Temporary Construction Easements					
	Utility Conflict Matrix					
	Signing Plans					
	Lighting Plans					
	Signalization Plans					
	Irrigation Plans					
	Construction Detail					
	SUE Tabulation Sheet					
	Prepare and submit (90%, 100% Plans) Restroom Civil					
	Construction plans drawing packages					
	Cover Sheet					
	PGD plan					
	Utility Plan					
	Erosion Control Plan					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated Budget CMS

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator	
	Detail Sheets (PGD, Erosion, Utility)					
	General Notes					
	Architectural Design for Restroom Facility (Concept & DRC)					
	Preliminary Architectural Site Plan Concepts					
	DRC Site Plan Submittal & Response to Comments					
	Structural					
	MEP Design					
	Landscape					
	Draft & Final Specifications					
	Permit Packages & RAI's					
	Address final comments from permitting agencies below					
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)					
	SFWMD ERP and dewatering					
	City of Ft. Lauderdale Engineering					
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage					
	Broward Co Environ Reg Div, Dewatering					
	Broward County Traffic Engineering (signal)					
	State DEP					
	Army Corps (N/A)					
	FWC/USFWS					
	Public Meeting Updates					
	Attend City Commission (1 meeting)					
	Attend Beach Redev Advisory Board - (2 meetings)					

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget CMS

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)				Labor Total	
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator		
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)						
	Prepare for monthly progress reports with City Staff						
	on-going staff progress meetings (up to 8)						
	Sustainability						
	Update document						
	Opinions of Probable Construction Cost Estimates						
	update OPC	4	25	6	5		
	Subtotal (Hours)	4	25	6	5	0	\$0
	Task Total (Dollars)	\$743.64	\$2,701.75	\$570.00	\$405.30	\$0.00	\$4,420.69
	PHASE III Bidding Phase Services						
	Project Manual preparation:						
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD						
	Boilerplate review & fill in proj info, specs						
	Bid items-Coordinate/provide City with list of bid items						
	Review by City Staff; submit bid documents to City for review						
	RFI assistance-Review/respond up to 10 RFIs						
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions						
	Review bids and tabulate them						
	Review for inconsistencies, provide City w/recommendations						
	Attend 2 coord. Meetings with City and 1 with selected contractor						
		0	0	0	0	0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget CMS

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Chief Estimator/ Scheduler	Senior Estimator	Estimator			
Task Total (Dollars)		\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: 0 Rev 2/10/14
 Date Prepared: 1/13/2014
 Estimated By: Dickey Consulting

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$3,950
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$2,165
PHASE II	Design Development (50%, 90%, 100% Plans)	\$950
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$7,065

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
Total Expenses:		\$0
Total Project:		\$7,065

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Dickey Consulting

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff coordinate date/agenda, prep Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USEWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	-review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria; prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City on FDOT's IDEC app. status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord. establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	-compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord.						
	Geotechnical Investigation Services (ISF)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploration (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						
	Prepare diagram present site's opportunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant		
	Public information							
	Attend 2 City Commission meeting	4						
	Attend 2 Beach Redevelopment Advisory Board meeting	4						
	Attend 2 Central Beach Alliance meeting	4						
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop	4						
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff/ 2 mtgs with BRAB	4						
	Preparation of monthly reports (up to three (3))					2.5		
	Subtotal (Hours)	20	0	0	0	2.5		\$0
	Task Total (Dollars)	\$3,800	\$0	\$0	\$0	\$150	\$3,950	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway Sidewalk Design Analysis- typ sections, ped. cafe, furniture zones, preliminary cross sections, etc							
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)							
	Street lighting FDOT style analysis report							
	Lighting design variance to FDOT							
	Lighting meeting with FDOT, revise analysis & report based on comments							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)						
	Walkway artistic designs & connection to private property						
	Demolition Plan						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg. of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management						
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff, 1 Internal)						
	Coordination with Arch/LA						
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRG)						
	Preliminary Architectural Site Plan Concepts						
	DRG Site Plan Submittal & Response to Comments						
	Structural Design						
	MEP Design						
	Landscape Design						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) ated Project Duration:
 Project Number 0 Permitting, & Bidding: months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months
 Estimated By B Dickey Consulting Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	EWC/USFWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary const. easement needs						
	Sustainability						
	review opportunities and alternatives (Memo incl. update)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant		
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City							
	Plan revision							
	City Staff and Consultant review of public input							
	Preparation for and participate in 1 meeting with City staff							
	Preparation of meeting notes from meeting							
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)	4						
	Attend Beach Redev Advisory Board (2 mtgs)	3						
	City staff meeting at 15%	2						
	Stakeholder meeting	2						
	on-going staff progress meetings (up to 8)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports; prepare minutes					1.25		
	Subtotal (Hours)	11	0	0	0	1.25		\$0
	Task Total (Dollars)	\$2,090	\$0	\$0	\$0	\$75	\$2,165	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)							
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Dickey Consulting

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Revise Plans based on City comments						
	Review/respond to FDOT comments						
	Utility Coordination Meeting & follow up						
	Landscape & Hardscape Plans for A1A						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site Furnishings & details						
	CE Plans and Design Analysis:						
	Cover Sheet						
	Legend and General Notes						
	Horizontal and Vertical Control Sheet						
	Survey of Existing Conditions, including topographic survey						
	Sheet Layout						
	Paving, Grading and Drainage						
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						
	Lighting Plans						
	Signalization Plans						
	Irrigation Plans						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014

Estimated By Dickey Consulting

Rev 2/10/14

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant	
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural						
	MEP Design						
	Landscape						
	Draft & Final Specifications						
	Permit Packages & RAI's						
	Address final comments from permitting agencies below:						
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						
	SPWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014

Rev 2/10/14

Construction: months

Estimated By Dickey Consulting

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant		
	Broward County Traffic Engineering (Signal)							
	State DEP							
	Army Corps (N/A)							
	FWC/USFWS							
	Public Meeting Updates							
	Attend City Commission (1 meeting)	2						
	Attend Beach Redev Advisory Board - (1 meetings)	2						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)							
	Prepare for monthly progress reports with City Staff							
	on-going staff progress meeting							
	Sustainability							
	Update document							
	Opinions of Probable Construction Cost Estimates							
	update OPC							
	Subtotal (Hours)	5	0	0	0	0		\$0
	Task Total (Dollars)	\$950	\$0	\$0	\$0	\$0	\$950	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated By Dickey Consulting

ated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Director	Project Manager	Senior Project Coordinator	Project Coordinator	Admin Assistant		
PHASE III	Bidding Phase Services							
	Project Manual preparation							
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info, specs							
	Bid items-Coordinate/provide City with list of bid items							
	Review by City Staff-submit bid document to City for review							
	RFI assistance-Review/respond up to 10 RFIs							
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them							
	Review for inconsistencies, provide City w/recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor							
		0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
Project Number: 0 Rev 2/10/14
Date Prepared: 1/13/2014
Estimated By: Jeff Suiter - EDSA

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$11,350
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$73,740
PHASE II	Design Development (50%, 90%, 100% Plans)	\$52,500
PHASE III	Bidding Phase Services	\$4,880
Total Labor:		\$142,470

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	Black and White copies, 24x36	\$250
802	Color copies, 24x36	\$250
803	Color copies, 11x17	\$0
804		0 \$0
805		0 \$0
Total Expenses:		\$500
Total Project:		\$142,970

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.	1	2				
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team	1	2				
	Project kick-off meeting with City Staff coordinate date/agenda prep. Minutes, action items follow up	1	2			2	
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)	1	2			2	
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intesection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USFWS, Army Corps	0	1				
	-visit Agencies, research their records & retrieve info.						
	review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria, prepare technical design criteria	1					
	Research & coordinate street light fixtures to obtain info and specs	1	1				
	Coordinate with City on FDOT STD/LC app, status, & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord. establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord.						
	Geotechnical Investigation Services (TSF)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploriation (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						
	Prepare diagram-present site's opportunities, include photo of existing	1	1	4			
	One review meeting with City Staff-discuss document for revision						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated By Jeff Suiter - EDSA

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Associate Principal	Vice President	Senior Associate	Associate		
	Public information							
	Attend 2 City Commission meeting	1	2	2				
	Attend 2 Beach Redevelopment Advisory Board meeting	1	2	2				
	Attend 2 Central Beach Alliance meeting	1	2	2				
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop	1	2	4				
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff/ 2 mtgs with BRAB	2	2	4				
	Preparation of monthly reports (up to three (3))			2		3		
	Subtotal (Hours)	13	22	20	0	7		\$0
	Task Total (Dollars)	\$2,730	\$4,180	\$3,600	\$0	\$840	\$11,350	\$0
Stage 2 & 3								
	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing	1	1	6	6			
	Roadway / Sidewalk Design Analysis-typ sections, ped. café, furniture zones, preliminary cross sections, etc	1	1	12	12	8		
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)	1	1	4	4			
	Street lighting FDOT style analysis report			2	2			
	Lighting design variance to FDOT							
	Lighting meeting with FDOT, revise analysis & report based on comments							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Jeff Suiter - EDSA

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)	1	1	12	12	12	
	Walkway artistic designs & connection to private property	1	1	12	16	12	
	Demolition Plan	1	1	12	12		
	Landscape Concept Plans & Schematic Design	1	2	12	16	12	
	Hardscape Concept Plans & Schematic Design	1	2	12	16	12	
	Site furnishings & details	1	2	12	12	8	
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management	2	0	2			
	Tour site/ take pictures/gather site info.	1	1	1			
	Meetings (1 City Staff, 1 Internal)			4			
	Coordination with Arch/LA	2	2	4			
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments	1	1	6	6		
	Structural Design						
	MEP Design						
	Landscape Design	2	2	8	8	8	

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layouts						
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading	1	1	2			
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans	1	1				
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number

0

Date Prepared 1/13/2014

Rev 2/10/14

Estimated By Jeff Suiter - EDSA

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW, and permits office)	1	1	2			
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit, Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering	1	1		6		
	State DEP	1	1	4			
	Army Corps (N/A)						
	FWC/USFWS	1	1	4			
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary constr easement needs	1	1	4			
	Sustainability						
	review opportunities and alternatives (Memo incl. update)	1	1	2			
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City						
	Plan revision	1	1	4	4		
	City Staff and Consultant review of public input						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Associate Principal	Vice President	Senior Associate	Associate		
	Preparation for and participate in 1 meeting with City staff	1	1					
	Preparation of meeting notes from meeting							
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)	1	2	4				
	Attend Beach Redev Advisory Board (3 mtgs)	1	2	4				
	City staff meeting at 15%	1	2	2				
	Stakeholder meeting (up to 2)	2	2					
	on-going staff progress meetings (up to 8)	2	2	4				
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports; prepare minutes		4			16		
	Subtotal (Hours)	34	42	157	132	88		\$0
	Task Total (Dollars)	\$7,140	\$7,980	\$28,260	\$19,800	\$10,560	\$73,740	\$0
	PHASE II Design Development (50%, 90%, 100% Plans)							
	Review and address City comments; meet to resolve comments for 30%, 50% & 90% phases	4	4	8				
	Revise Plans based on City comments							
	Review/respond to FDOT comments							
	Utility Coordination Meeting & follow up							
	Landscape & Hardscape Plans for A1A							
	Landscape Concept Plans & Schematic Design	3	4	24	24	16		
	Hardscape Concept Plans & Schematic Design	3	4	24	24	16		

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Site furnishings & details	3	4	24	16	16	
	CE Plans and Design Analysis:						
	Cover Sheet						
	Legend and General Notes						
	Horizontal and Vertical Control Sheet						
	Survey of Existing Conditions, including topographic survey						
	Sheet Layout						
	Paving, Grading and Drainage						
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						
	Lighting Plans			2			
	Signalization Plans						
	Irrigation Plans						
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil						
	Construction plans drawing packages						
	Cover Sheet						
	PGD plan						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments	1	1	4			
	Structural						
	MEP Design						
	Landscape	1	1	4	6	6	
	Draft & Final Specifications	1	1	8	8		
	Permit Packages & RAI's						
	Address final comments from permitting agencies below:						
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)	1	1	2			
	SEWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering	1	1	4			
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Engineering (signal)						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS	1	2	8			
	Public Meeting Updates						
	Attend City Commission (1 meeting)	1	2	2			

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014

Rev 2/10/14

Construction: months

Estimated By Jeff Suiter - EDSA

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Associate Principal	Vice President	Senior Associate	Associate		
	Attend Beach Redev Advisory Board - (2 meetings)	1	2	3				
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)							
	Prepare for monthly progress reports with City Staff	1	1	4				
	on-going staff progress meetings (up to 8)			8				
	Sustainability							
	Update document	1	1	2				
	Opinions of Probable Construction Cost Estimates							
	update OPC							
	Subtotal (Hours)	24	30	131	78	54		\$0
	Task Total (Dollars)	\$5,040	\$5,700	\$23,580	\$11,700	\$6,480	\$52,500	\$0
	PHASE III Bidding Phase Services							
	Project Manual preparation			4				
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info, specs			2				
	Bid items-Coordinate/provide City with list of bid items			2				
	Review by City Staff-submit bid document to City for review			2				
	RFI assistance-Review/respond up to 10 RFIs			5				
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions			2				
	Review bids and tabulate them			2				
	Review for inconsistencies, provide City w/recommendations			2				
	Attend 2 coord. Meetings with City and 1 with selected contractor		1	4				

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: 0 0
 Date Prepared: 2/12/2014
 Estimated By: AHL of JALRW

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$1,000
Stage 2 & 3	Development of 30% Design for SR A1A	\$1,300
PHASE II	Design Development (30%, 100% Plans)	\$17,550
PHASE III	Bidding Phase Services	\$3,189
Total Labor:		\$23,039

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$23,039

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 2/12/2014

Construction: months

Estimated Budget AHL of JALRW

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures.						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff-coordinate date/agenda prep. Minutes, action items follow up			4			
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.			4			
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWCA/USFWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 2/12/2014
 Estimated Budget AHL of JALRW

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria, prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City on FDOT's FDLC app. status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord- establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord.						
	Geotechnical Investigation Services (TSE)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploration (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						
	Prepare diagram-present site's opportunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						
	Public information						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 2/12/2014
 Estimated Budget AHL of JALRW

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical		
	Attend 2 City Commission meeting							
	Attend 2 Beach Redevelopment Advisory Board meeting							
	Attend 2 Central Beach Alliance meeting							
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop							
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff / 2 mtgs with BRAB							
	Preparation of monthly reports (up to three (3))							
	Subtotal (Hours)	0	0	8	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$1,000	\$0	\$0	\$1,000	\$0
Stage 2 & 3								
	Development of 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway Sidewalk Design Analysis- typ sections, ped. cafe furniture zones, preliminary cross sections, etc							
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)							
	Street lighting FDOT style analysis report							
	Lighting design variance to FDOT							
	Lighting meeting with FDOT, revise analysis & report based on comments							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 2/12/2014 0

Construction: months

Estimated Budget Authority (BAHL) of JALRW

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)						
	Walkway artistic designs & connection to private property						
	Demolition Plan						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg. of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management						
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff, 1 Internal)						
	Coordination with Arch/LA						
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRG)						
	Preliminary Architectural Site Plan Concepts						
	DRG Site Plan Submittal & Response to Comments						
	Structural Design						
	MEP Design			8	4		
	Landscape Design						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR AIA (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 2/12/2014 0

Construction: months

Estimated B AHL of JALRW

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 2/12/2014 0

Construction: months

Estimated Budget Authority of JALRW

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	FWC/USEWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary constr easement needs						
	Sustainability						
	review opportunities and alternatives (Memo incl. update)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 2/12/2014
 Estimated Budget Authority (BAHL) of JALRW 0

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical		
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City							
	Plan revision							
	City Staff and Consultant review of public input							
	Preparation for and participate in 1 meeting with City staff							
	Preparation of meeting notes from meeting							
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)							
	Attend Beach Redev Advisory Board (3 mtgs)							
	City staff meeting at 15%							
	Stakeholder meeting (up to 2)							
	on-going staff progress meetings (up to 8)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports, prepare minutes							
	Subtotal (Hours)	0	0	8	4	0		\$0
	Task Total (Dollars)	\$0	\$0	\$1,000	\$300	\$0	\$1,300	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 2/12/2014 0
 Estimated Budget Authority (BAHL) of JALRW

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
PHASE II	Design Development (30%, 100% Plans)						
	Review and address City comments, meet to resolve comments for 30% & 100% phases			8	4		
	Revise Plans based on City comments						
	Review/respond to FDOT comments						
	Utility Coordination Meeting & follow up						
	Landscape & Hardscape Plans for A1A						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	CE Plans and Design Analysis						
	Cover Sheet						
	Legend and General Notes						
	Horizontal and Vertical Control Sheet						
	Survey of Existing Conditions, including topographic survey						
	Sheet Layout						
	Paving, Grading and Drainage						
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						
	Lighting Plans						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 2/12/2014
 Estimated By AHL of JALRW

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical	
	Signalization Plans						
	Irrigation Plans			40	20		
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (50%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural						
	MEP Design			60	30		
	Landscape						
	Draft & Final Specifications						
	Permit Packages & RAI's						
	Address final comments from permitting agencies below						
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						
	SEWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 2/12/2014 0

Construction: months

Estimated Budget Authority of JALRW

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical		
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage							
	Broward Co Environ Reg Div, Dewatering							
	Broward County Traffic Engineering (signal)							
	State DEP							
	Army Corps (N/A)							
	FWC/USFWS							
	Public Meeting Updates							
	Attend City Commission (1 meeting)							
	Attend Beach Redev Advisory Board - (2 meetings)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)							
	Prepare for monthly progress reports with City Staff							
	on-going staff progress meetings (up to 8)							
	Sustainability							
	Update document							
	Opinions of Probable Construction Cost Estimates							
	update OPC							
	Subtotal (Hours)	0	0	108	54	0		\$0
	Task Total (Dollars)	\$0	\$0	\$13,500	\$4,050	\$0	\$17,550	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) Estimated Project Duration: _____
 Project Number 0 Permitting, & Bidding: months _____
 Date Prepared 2/12/2014 Construction: months _____
 Estimated Budget Authority (BA) of JALRW _____ Total: months _____

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Principal	Project Manager	Project Engineer	CAD Tech.	Clerical		
PHASE III Bidding Phase Services								
	Project Manual preparation			10		12.62		
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info, specs							
	Bid items-Coordinate/provide City with list of bid items							
	Review by City Staff-submit bid document to City for review							
	RFI assistance-Review/respond up to 10 RFIs			6.24	4.52			
	Pre bid Meeting-attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them							
	Review for inconsistencies, provide City w/recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor							
		0	0	16.24	4.52	12.62		\$0
Task Total (Dollars)		\$0	\$0	\$2,030	\$339	\$820	\$3,189	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: 0 Rev 2/10/14
 Date Prepared: 1/13/2014
 Estimated By: Keith & Associates

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$39,100
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$39,100

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$39,100

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff coordinate date/agenda prep Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USEWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	review all records and summarize results in a document						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated By Keith & Associates

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria, prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City on FDOT's IDLC app. status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord- establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	-compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord						
	Geotechnical Investigation Services (ISF)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By B Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Design Survey Services (K&A)	119	40	12	220	18	
	Subsurface Utility Exploration (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						
	Prepare diagram-present site's opportunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						
	Public information						
	Attend 2 City Commission meeting						
	Attend 2 Beach Redevelopment Advisory Board meeting						
	Attend 2 Central Beach Alliance meeting						
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop						
	Progress discussions / meetings with staff / BRAB meeting attendance						
	Attend up to 3 mtgs with Staff/ 2 mtgs with BRAB						
	Preparation of monthly reports (up to three (3))						
	Subtotal (Hours)	119	40	12	220	18	\$0
	Task Total (Dollars)	\$10,710	\$3,800	\$1,440	\$20,900	\$2,250	\$39,100
Stage 2 & 3	Development of 15% and 30% Design for SR A1A						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By B Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	CE Design						
	Prepare and refine a base map of project, CADD drawing						
	Roadway Sidewalk Design-Analysis typ sections, ped, cafe furniture zones, preliminary cross sections, etc						
	-revise typ sections						
	Preliminary signing plans						
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)						
	Street lighting FDOT style analysis report						
	Lighting design variance to FDOT						
	Lighting meeting with FDOT, revise analysis & report based on comments						
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)						
	Walkway artistic designs & connection to private property						
	Demolition Plan						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg of all UAOs						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014

Rev 2/10/14

Construction: months

Estimated By B Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management						
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff, 1 Internal)						
	Coordination with Arch/LA						
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural Design						
	MEP Design						
	Landscape Design						
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						
	Legend & General Notes						
	Horizontal and vertical control sheet						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Keith & Associates

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWM and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	FWC/USEWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary constr easement needs						
	Sustainability						
	review opportunities and alternatives (Memo incl. update)						
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City						
	Plan revision						
	City Staff and Consultant review of public input						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: _____ 0 _____
 Date Prepared: 1/13/2014 Rev: 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Preparation for and participate in 1 meeting with City staff						
	Preparation of meeting notes from meeting						
	Public Meetings/ Updates						
	Attend City Commission (2 mtgs)						
	Attend Beach Redev Advisory Board (3 mtgs)						
	City staff meeting at 15%						
	Stakeholder meeting (up to 2)						
	on-going staff progress meetings (up to 8)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)						
	Preparation for meetings and monthly progress reports; prepare minutes						
	Subtotal (Hours)	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0
	PHASE II Design Development (50%, 90%, 100% Plans)						
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases						
	Revise Plans based on City comments						
	Review/respond to FDOT comments						
	Utility Coordination Meeting & follow up						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By B Keith & Associates

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Landscape & Hardscape Plans for A1A						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site Furnishings & details						
	CE Plans and Design Analysis						
	Cover Sheet						
	Legend and General Notes						
	Horizontal and Vertical Control Sheet						
	Survey of Existing Conditions, including topographic survey						
	Sheet Layout						
	Paving, Grading and Drainage						
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						
	Lighting Plans						
	Signalization Plans						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	Irrigation Plans						
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRG)						
	Preliminary Architectural Site Plan Concepts						
	DRG Site Plan Submittal & Response to Comments						
	Structural						
	MEP Design						
	Landscape						
	Draft & Final Specifications						
	Permit Packages & RAI's						
	Address final comments from permitting agencies below						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By B Keith & Associates

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person	
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						
	SFWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Engineering (signal)						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS						
	Public Meeting Updates						
	Attend City Commission (1 meeting)						
	Attend Beach Redev Advisory Board - (2 meetings)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)						
	Prepare for monthly progress reports with City Staff						
	on-going staff progress meetings (up to 8)						
	Sustainability						
	Update document						
	Opinions of Probable Construction Cost Estimates						
	update OPC						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith & Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Senior Technician	Project Surveyor	Professional Senior Surveyor	Survey Party (2) Person	Survey Party (3) Person		
	Subtotal (Hours)	0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE III	Bidding Phase Services							
	Project Manual preparation							
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info specs							
	Bid items-Coordinate/provide City with list of bid items							
	Review by City Staff submit bid document to City for review							
	RFI assistance-Review/respond up to 10 RFIs							
	Pre-bid Meeting attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them							
	Review for inconsistencies provide City w recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor							
	Task Total (Dollars)	0	0	0	0	0		\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: _____ 0 Rev 2/10/14
 Date Prepared: 1/13/2014
 Estimated By: Keith and Associates

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$10,200
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$10,200

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	MOT	\$800
802		\$0
803	0	\$0
804	0	\$0
805	0	\$0
Total Expenses:		\$800
Total Project:		\$11,000

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) ated Project Duration:
 Project Number 0 Permitting, & Bidding: months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months
 Estimated By B Keith and Associates Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Technician	Designation	Impervious		
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff coordinate date/agenda prep. Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USEWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) Estimated Project Duration: _____
 Project Number 0 Permitting, & Bidding: months _____
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months _____
 Estimated By B Keith and Associates Total: months _____

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Tec	Designating	Imperviuos		
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria, prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City on FDOT's IDLC app status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord-establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	-compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord						
	Geotechnical Investigation Services (GSI)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploriation (SUE) Services (K&A)	5	10	0	25		
	Refinement of a site opportunities and constraints plan						
	Prepare diagram present site's opportunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith and Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Utility Project Manager	CADD Technician	Designation	Impervious			
	Public information							
	Attend 2 City Commission meeting							
	Attend 2 Beach Redevelopment Advisory Board meeting							
	Attend 2 Central Beach Alliance meeting							
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop							
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mtgs with Staff / 2 mtgs with BRAB							
	Preparation of monthly reports (up to three [3])							
	Subtotal (Hours)	5	10	0	25	0		\$0
	Task Total (Dollars)	\$400	\$800	\$0	\$9,000	\$0	\$10,200	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway / Sidewalk Design Analysis- typ sections, ped. cafe, furniture zones, preliminary cross sections, etc.							
	-revise typ sections							
	Preliminary signing plans							
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)							
	Street lighting FDOT style analysis report							
	Lighting design variance to FDOT							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) ated Project Duration:
 Project Number 0 Permitting, & Bidding: months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months
 Estimated By B Keith and Associates Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Technician	Designation	Impervious		
	Lighting meeting with EDOF, revise analysis & report based on comments						
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)						
	Walkway artistic designs & connection to private property						
	Demolition Plan						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies:						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management						
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff / Internal)						
	Coordination with Arch/LA						
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRG)						
	Preliminary Architectural Site Plan Concepts						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014

Estimated By Keith and Associates

0

Rev 2/10/14

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Technician	Designation	Impervious		
	DRC Site Plan Submittal & Response to Comments						
	Structural Design						
	MSP Design						
	Landscape Design						
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated By B Keith and Associates

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Technician	Designation	Impervious		
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						
	Right of Way and Easements						
	Identify preliminary constr easement needs						
	Sustainability						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) Estimated Project Duration: _____
 Project Number 0 Permitting, & Bidding: months _____
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months _____
 Estimated By B Keith and Associates Total: months _____

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Utility Project Manager	CADD Tech	Designating	Impervious			
	review opportunities and alternatives (Memo incl. update)							
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City							
	Plan revision							
	City Staff and Consultant review of public input							
	Preparation for and participate in 1 meeting with City staff							
	Preparation of meeting notes from meeting							
	Public Meetings / Updates							
	Attend City Commission (2 mtgs)							
	Attend Beach Redevel Advisory Board (3 mtgs)							
	City staff meeting at 15%							
	Stakeholder meeting (up to 2)							
	on-going staff progress meetings (up to 8)							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)							
	Preparation for meetings and monthly progress reports; prepare minutes							
	Subtotal (Hours)	0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)

Project Number: 0

Date Prepared: 1/13/2014 Rev: 2/10/14

Estimated By: Keith and Associates

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Tec	Designating	Impervious		
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases						
	Revise Plans based on City comments						
	Review/respond to FDOT comments						
	Utility Coordination Meeting & follow up						
	Landscape & Hardscape Plans for A1A						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	CE Plans and Design Analysis:						
	Cover Sheet						
	Legend and General Notes						
	Horizontal and Vertical Control Sheet						
	Survey of Existing Conditions, including topographic survey						
	Sheet Layout						
	Paving, Grading and Drainage						
	Paving, Grading and Drainage Details						
	Stormwater Pollution Prevention Plan (SWPPP)						
	SWPPP Details						
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith and Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Technician	Designation	Impervious		
	Lighting Plans						
	Signalization Plans						
	Irrigation Plans						
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural						
	MEP Design						
	Landscape						
	Draft & Final Specifications						
	Permit Packages & RAI's						
	Address final comments from permitting agencies below						
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Keith and Associates

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Utility Project Manager	CADD Tec	Designating	Imperviuos		
	SPWMD ERF and dewatering						
	City of Ft. Lauderdale Engineering						
	Broward Co Environ Reg Div, Environ Resource Permits, Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Engineering (signal)						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS						
	Public Meeting Updates						
	Attend City Commission (1 meeting)						
	Attend Beach Redev Advisory Board - (2 meetings)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)						
	Prepare for monthly progress reports with City Staff						
	on-going staff progress meetings (up to 8)						
	Sustainability						
	Update document						
	Opinions of Probable Construction Cost Estimates						
	update OPC						
	Subtotal (Hours)	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated By Keith and Associates

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Utility Project Manager	CADD Tec	Designating	Imperviuos			
PHASE III Bidding Phase Services								
	Project Manual preparation							
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Boilerplate review & fill in proj info, specs							
	Bid items-Coordinate/provide City with list of bid items							
	Review by City Staff-submit bid document to City for review							
	RFI assistance-Review/respond up to 10 RFIs							
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them							
	Review for inconsistencies, provide City w/recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor							
		0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
 Project Number: 0 Rev 2/10/14
 Date Prepared: 1/13/2014
 Estimated By: MM - S & F

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$2,750
PHASE II	Design Development (50%, 90%, 100% Plans)	\$9,120
PHASE III	Bidding Phase Services	\$480
Total Labor:		\$12,350

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$12,350

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget MM - S & F

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
PHASE I							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	update						
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff coordinate date/agenda, prep Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data provided by City. Draw utilities in CADD						
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.						
	Obtain FDOT record plans and ROW maps & review against survey						
	Review FDOT's safety study at Alhambra St. intersection						
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC/USFWS, Army Corps						
	-visit Agencies, research their records & retrieve info.						
	-review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014

Rev 2/10/14

Construction: months

Estimated Budget MM - S & F

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Identify & coordinate transit facilities for ADA compliance (City and County)						
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Initial FDOT coordination & grant updates, review previous agreements						
	Establish design criteria; prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Coordinate with City on FDOT STDLC app. status & follow up						
	Review FDOT Road Safety Audit & discuss recommendations						
	Utility Coord. establish contacts & status matrix						
	-transmit & receive marked up plans, files, review & draw in CAD						
	-compare info with survey & perform field review to confirm						
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)						
	Data, historic growth, diversion, traff impact analysis, memo						
	Broward County Traffic Division meeting and coord.						
	Geotechnical Investigation Services (ISF)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploriation (SUE) Services (K&A)						
	Refinement of a site opportunities and constraints plan						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget MM - S & F

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer		
	Prepare diagram present site's opportunities, include photo of existing							
	One review meeting with City Staff-discuss document for revision							
	Public information							
	Attend 2 City Commission meeting							
	Attend 2 Beach Redevelopment Advisory Board meeting							
	Attend 2 Central Beach Alliance meeting							
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop							
	Progress discussions / meetings with staff / BRAB meeting attendance							
	Attend up to 3 mgs with Staff / 2 mgs with BRAB							
	Preparation of monthly reports (up to three (3))							
	Subtotal (Hours)	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Stage 2 & 3								
	Development of 15% and 30% Design for SR A1A							
	CE Design							
	Prepare and refine a base map of project, CADD drawing							
	Roadway Sidewalk Design Analysis- typ sections, ped. cafe furniture zones, preliminary cross sections, etc							
	-revise typ sections							
	Preliminary signing plans							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) ated Project Duration:
 Project Number 0 Permitting, & Bidding: months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: months
 Estimated Budget MM - S & F Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)						
	Street lighting FDOT style analysis report						
	Lighting design variance to FDOT						
	Lighting meeting with FDOT, revise analysis & report based on comments						
	Landscape & Hardscape Design & Plans for A1A						
	Typical Section development & renderings (3)						
	Walkway artistic designs & connection to private property						
	Demolition Plan						
	Landscape Concept Plans & Schematic Design						
	Hardscape Concept Plans & Schematic Design						
	Site furnishings & details						
	Utility Coordination Process for all Agencies						
	Prepare submittals to UAOs at 15% and 30% submittal phases						
	Prepare and invite for pre-design utility mtg. of all UAOs						
	Prepare and invite for conflict resolution utility mtg. of all UAOs						
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering						
	Kick-off Meeting/Project Management						
	Tour site/ take pictures/gather site info.						
	Meetings (1 City Staff, 1 Internal)						
	Coordination with Arch/LA						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget MM - S & F

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	CE Site Plan Update						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural Design	1	2	10	10	1	
	MEP Design						
	Landscape Design						
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages						
	Survey of existing conditions including topographic						
	Cover Sheet						
	Project sheet layout						
	Legend & General Notes						
	Horizontal and vertical control sheet						
	Sidewalk Typical Sections						
	Paving, Grading						
	Paving, Grading Details						
	Sidewalk Preliminary Cross Sections						
	Lighting Photometric layout						
	Lighting Plans						
	Stormwater Pollution Prevention Plan (SWPPP)						
	Traffic Control Plan Concepts						
	Preliminary Temporary Construction Easements						
	Conceptual Irrigation Memo						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget MM - S & F

Estimated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Construction Details						
	SUE Tabulation Sheet						
	Review & revise Plans based on City review comments						
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Permitting Coordination for Roadway & Restroom Bldg						
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)						
	SFWMD and dewatering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Division (Signal)						
	City of Ft. Lauderdale Engineering						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS						
	Opinions of Probable Construction Cost Estimates (OPC)						
	Prepare OPC						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget MM - S & F

ated Project Duration:
 Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Right of Way and Easements						
	Identify preliminary constr. easement needs						
	Sustainability						
	review opportunities and alternatives (Memo incl. update)						
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City						
	Plan revision						
	City Staff and Consultant review of public input						
	Preparation for and participate in 1 meeting with City staff						
	Preparation of meeting notes from meeting						
	Public Meetings / Updates						
	Attend City Commission (2 mtgs)						
	Attend Beach Redev. Advisory Board (3 mtgs)						
	City staff meeting at 15%						
	Stakeholder meeting (up to 2)						
	on-going staff progress meetings (up to 8)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)						
	Preparation for meetings and monthly progress reports, prepare minutes						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

ated Project Duration:

Project Number 0

Permitting, & Bidding: months

Date Prepared 1/13/2014 Rev 2/10/14

Construction: months

Estimated Budget MM - S & F

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer		
	Subtotal (Hours)	1	2	10	10	1		\$0
	Task Total (Dollars)	\$200	\$290	\$1,200	\$900	\$160	\$2,750	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)							
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases							
	Revise Plans based on City comments							
	Review/respond to FDOT comments							
	Utility Coordination Meeting & follow up							
	Landscape & Hardscape Plans for A1A							
	Landscape Concept Plans & Schematic Design							
	Hardscape Concept Plans & Schematic Design							
	Site furnishings & details							
	CE Plans and Design Analysis:							
	Cover Sheet							
	Legend and General Notes							
	Horizontal and Vertical Control Sheet							
	Survey of Existing Conditions, including topographic survey							
	Sheet Layout							
	Paving, Grading and Drainage							
	Paving, Grading and Drainage Details							
	Stormwater Pollution Prevention Plan (SWPPP)							
	SWPPP Details							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides) Estimated Project Duration: _____
 Project Number 0 Permitting, & Bidding: _____ months
 Date Prepared 1/13/2014 Rev 2/10/14 Construction: _____ months
 Estimated Budget MM - S & F Total: _____ months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Traffic Control Plan details						
	Typical Sections						
	Cross Sections						
	Temporary Construction Easements						
	Utility Conflict Matrix						
	Signing Plans						
	Lighting Plans						
	Signalization Plans						
	Irrigation Plans						
	Construction Detail						
	SUE Tabulation Sheet						
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages						
	Cover Sheet						
	PGD plan						
	Utility Plan						
	Erosion Control Plan						
	Detail Sheets (PGD, Erosion, Utility)						
	General Notes						
	Architectural Design for Restroom Facility (Concept & DRC)						
	Preliminary Architectural Site Plan Concepts						
	DRC Site Plan Submittal & Response to Comments						
	Structural	1	8	29	44	2	
	MEP Design						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Estimated Project Duration:

Project Number

0

Permitting, & Bidding: months

Date Prepared 1/13/2014

Rev 2/10/14

Construction: months

Estimated Budget - S & F

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer	
	Landscape						
	Draft & Final Specifications						
	Permit Packages & RAI's						
	Address final comments from permitting agencies below:						
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)						
	SFWMD ERP and dewatering						
	City of Ft. Lauderdale Engineering						
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage						
	Broward Co Environ Reg Div, Dewatering						
	Broward County Traffic Engineering (signal)						
	State DEP						
	Army Corps (N/A)						
	FWC/USFWS						
	Public Meeting Updates						
	Attend City Commission (1 meeting)						
	Attend Beach Redev Advisory Board - (2 meetings)						
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)						
	Prepare for monthly progress reports with City Staff						
	on-going staff progress meetings (up to 8)						
	Sustainability						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated Budget MM - S & F

Estimated Project Duration:

Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					Labor Total	
		Project Principal	Project Manager	Project Engineer	BIM Technician	Senior Engineer		
	Update document							
	Opinions of Probable Construction Cost Estimates							
	update OPC							
	Subtotal (Hours)	1	8	29	44	2		\$0
	Task Total (Dollars)	\$200	\$1,160	\$3,480	\$3,960	\$320	\$9,120	\$0
	PHASE III Bidding Phase Services							
	Project Manual preparation							
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD							
	Blueprint review & fill in proj info, specs							
	Bid items-Coordinate/provide City with list of bid items							
	Review by City Staff submit bid documents to City for review							
	RFI assistance-Review/respond up to 10 RFIs			4				
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions							
	Review bids and tabulate them							
	Review for inconsistencies, provide City w/recommendations							
	Attend 2 coord. Meetings with City and 1 with selected contractor							
	Task Total (Dollars)	\$0	\$0	\$480	\$0	\$0	\$480	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: SR A1A (East & West Sides)
Project Number: _____ 0 Rev 2/10/14
Date Prepared: 1/13/2014
Estimated By: Tierra

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$6,725
Stage 2 & 3	Development of 15% and 30% Design for SR A1A	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$6,725

Expense Tasks:		
700	Reimbursable Expenses Allowance	\$0
701		
801	Geotechnical Field Testing	\$5,473
802		0 \$0
803		0 \$0
804		0 \$0
805		0 \$0
Total Expenses:		\$5,473
Total Project:		\$12,198

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated Budget: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
PHASE I										
Stage 1	Recon./Studies/Outreach									
	Project setup - Establish project folder, contracts, procedures									
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.									
	update									
	Request and receive info from City and CRA of existing studies/base info, catalog & distribute to team									
	Project kick-off meeting with City Staff coordinate date/agenda, prep. Minutes, action items follow up									
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)									
	Review of Existing data/Collection of additional base data									
	Review existing data provided by City. Draw utilities in CADD									
	Conduct field reviews-verify design survey, sign inventory, utilities, encroachments, etc.									
	Obtain FDOT record plans and ROW maps & review against survey									
	Review FDOT's safety study at Alhambra St. intersection									
	Investigate permit requirements with City, County, State, FDOT, DEP, Federal, FWC, USEWS, Army Corps									
	-visit Agencies, research their records & retrieve info.									
	-review all records, and summarize results in a document									
	Perform Complete Streets Design review including, bicycle, ped zone, transit									
	Identify & coordinate transit facilities for ADA compliance (City and County)									
	Conduct ADA review, document all deficiencies; propose improvements									
	Assessment of existing & metered parking impacted by the project.									
	Initial FDOT coordination & grant updates, review previous agreements									
	Establish design criteria; prepare technical design criteria									
	Research & coordinate street light fixtures to obtain info and specs									
	Coordinate with City on FDOT TDLC app. status & follow up									
	Review FDOT Road Safety Audit & discuss recommendations									
	Unity Coord-establish contacts & status matrix									
	-transmit & receive marked up plans, files, review & draw in CAD									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)

Project Number: 0

Date Prepared: 1/13/2014

Estimated By: Tierra

0

Rev 2/10/14

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total	
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD				
	compare info with survey & perform field review to confirm										
	Traffic analysis and counts to determine intersection reconfiguration at Sebastian and SR A1A (Restroom Bldg)										
	Data, historic growth, diversion, traff impact analysis, memo										
	Broward County Traffic Division meeting and count										
	Geotechnical Investigation Services (TSF)		4	10	30						
	Design Survey Services (K&A)										
	Subsurface Utility Exploration (SUE) Services (K&A)										
	Refinement of a site opportunities and constraints plan										
	Prepare diagram present site's opportunities, include photo of existing										
	One review meeting with City Staff-discuss document for revision										
	Public information										
	Attend 2 City Commission meeting										
	Attend 2 Beach Redevelopment Advisory Board meeting										
	Attend 2 Central Beach Alliance meeting										
	Attend up to 3 Bus. Associations: Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance										
	Attend up to 3 mtgs with Staff 2 mtgs with BRAB										
	Preparation of monthly reports (up to three (3))										
	Subtotal (Hours)	5	4	10	30	7	7	0	0		\$0
	Task Total (Dollars)	\$825	\$600	\$1,250	\$3,000	\$525	\$525	\$0	\$0	\$6,725	\$0
Stage 2 & 3	Development of 15% and 30% Design for SR A1A										
	CE Design										
	Prepare and refine a base map of project, CADD drawing										
	Roadway Sidewalk Design Analysis- typ sections, pad, cafe furniture zones, preliminary cross sections, etc										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated Budget: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)						Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD		
	-revise typ sections								
	Preliminary signing plans								
	Street Lighting Design- fixtures, photometric analysis, location (3 alt. analyses)								
	Street lighting FDOT style analysis report								
	Lighting design variance to FDOT								
	Lighting meeting with FDOT; revise analysis & report based on comments								
	Landscape & Hardscape Design & Plans for A1A								
	Typical Section development & renderings (3)								
	Walkway artistic designs & connection to private property								
	Demolition Plan								
	Landscape Concept Plans & Schematic Design								
	Hardscape Concept Plans & Schematic Design								
	Site furnishings & details								
	Utility Coordination Process for all Agencies:								
	Prepare submittals to UAOs at 15% and 30% submittal phases								
	Prepare and invite for pre-design utility mtg. of all UAOs								
	Prepare and invite for conflict resolution utility mtg. of all UAOs								
	Restroom Bldg Site Plan- Development of 15% and 30% Design for Civil Engineering								
	Kick-off Meeting/Project Management								
	Tour site/ take pictures/gather site info.								
	Meetings (w/ City Staff, Internal)								
	Coordination with Arch/LA								
	CE Site Plan Update								
	Architectural Design for Restroom Facility (Concept & DRC)								
	Preliminary Architectural Site Plan Concepts								
	DRC Site Plan Submittal & Response to Comments								
	Structural Design								
	MEP Design								
	Landscape Design								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated B Tierra

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
	Prepare and submit Preliminary (15% & 30%) Roadway plans drawing packages									
	Survey of existing conditions including topographic									
	Cover Sheet									
	Project sheet layout									
	Legend & General Notes									
	Horizontal and vertical control sheet									
	Sidewalk Typical Sections									
	Paving, Grading									
	Paving, Grading Details									
	Sidewalk Preliminary Cross Sections									
	Lighting Photometric layout									
	Lighting Plans									
	Stormwater Pollution Prevention Plan (SWPPP)									
	Traffic Control Plan Concepts									
	Preliminary Temporary Construction Easements									
	Conceptual Irrigation Memo									
	Construction Details									
	S&P Tabulation Sheets									
	Review & revise Plans based on City review comments									
	Prepare and Submit Preliminary (15% & 30%) Restroom Bldg Site Plan - Civil Engineering Package									
	Cover Sheet									
	PGD plan									
	Utility Plan									
	Erosion Control Plan									
	Detail Sheets (PGD, Erosion, Utility)									
	General Notes									
	Permitting Coordination for Roadway & Restroom Bldg									
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)									
	SFWMD and dewatering									
	Broward Co Environ Reg Div, Environ Resource Permit, Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Broward County Traffic Division (Signal)									
	City of Ft. Lauderdale Engineering									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated Budget: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
	State DEP Army Corps (N/A) FWC/USFWS									
	Opinions of Probable Construction Cost Estimates (OPC) Prepare OPC									
	Right of Way and Easements Identify preliminary constr. easement needs									
	Sustainability review opportunities and alternatives (Memo incl. update)									
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City Plan revision									
	City Staff and Consultant review of public input Preparation for and participate in 1 meeting with City staff Preparation of meeting notes from meeting									
	Public Meetings / Updates Attend City Commission (2 mtgs) Attend Beach Redev. Advisory Board (3 mtgs) City staff meeting at 15% Stakeholder meeting (up to 2) on-going staff progress meetings (up to 8)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports) Preparation for meetings and monthly progress reports; prepare minutes									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated B Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
	Review and address City comments; meet to resolve comments for 30%, 50% & 90% phases									
	Revise Plans based on City comments									
	Review/respond to EDC/J comments									
	Utility Coordination Meeting & follow up									
	Landscape & Hardscape Plans for A1A									
	Landscape Concept Plans & Schematic Design									
	Hardscape Concept Plans & Schematic Design									
	Site furnishings & details									
	CP Plans and Design Analysis:									
	Cover Sheet									
	Legend and General Notes									
	Horizontal and Vertical Control Sheet									
	Survey of Existing Conditions, including topographic survey									
	Sheet Layout									
	Paving, Grading and Drainage									
	Paving, Grading and Drainage Details									
	Stormwater Pollution Prevention Plan (SWPPP)									
	SWPPP Details									
	Traffic Control Plan details									
	Typical Sections									
	Cross Sections									
	Temporary Construction Basements									
	Utility Conflict Matrix									
	Signing Plans									
	Lighting Plans									
	Signalization Plans									
	Irrigation Plans									
	Construction Detail									
	SUE Tabulation Sheet									
	Prepare and submit (90%/100% Plans) Restroom Civil Construction plans drawing packages									
	Cover Sheet									
	PGD plan									
	Utility Plan									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR AIA (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated By Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
	Erosion Control Plan									
	Detail Sheets (PGD, Erosion, Utility)									
	General Notes									
	Architectural Design for Restroom Facility (Concept & DRC)									
	Preliminary Architectural Site Plan Concepts									
	DRC Site Plan Submittal & Response to Comments									
	Structural									
	MEP Design									
	Landscape									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Broward County Traffic Engineering (signals)									
	State DEP									
	Army Corps (N/A)									
	FWC/USFWS									
	Public Meeting Updates									
	Attend City Commission (1 meeting)									
	Attend Beach Redev Advisory Board - (2 meetings)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)									
	Prepare for monthly progress reports with City Staff									
	on-going staff progress meetings (up to 8)									
	Sustainability									
	Update document									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)

Project Number 0

Date Prepared 1/13/2014 Rev 2/10/14

Estimated B Tierra

Estimated Project Duration:

Design, Permitting, & Bidding: months

Construction: months

Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Senior Technician	CADD			
	Opinions of Probable Construction Cost Estimates									
	update OFC									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PHASE III Bidding Phase Services									
	Project Manual preparation									
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD									
	Bid plate review & fill in proj info/specs									
	Bid items - Coordinate/provide City with list of bid items									
	Review by City Staff - submit bid document to City for review									
	RFI assistance - Review/respond up to 10 RFIs									
	Pre-bid Meeting attend Meeting with City staff to answer questions									
	Review bids and tabulate them									
	Review for inconsistencies; provide City w/recommendations									
	Attend 2 coord. Meetings with City and 1 with selected contractor									
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

5.0
8%

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: 0
 Date Prepared: 1/13/2014
 Estimated By: Tierra
 Revision: Rev 2/10/14

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Eng	Project Eng	Project Eng	CADD/Comp Tech			
	State DEP									
	Army Corps (N/A)									
	FWC/USFWS									
	Opinions of Probable Construction Cost Estimates (OPC)									
	Prepare OPC									
	Right of Way and Easements									
	Identify preliminary constr easement needs									
	Sustainability									
	review opportunities and alternatives (Memo incl. update)									
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City									
	Plan revision									
	City Staff and Consultant review of public input									
	Preparation for and participate in 1 meeting with City staff									
	Preparation of meeting notes from meeting									
	Public Meetings / Updates									
	Attend City Commission (2 mtgs)									
	Attend Beach Redev Advisory Board (3 mtgs)									
	City staff meeting at 15%									
	Stakeholder meeting (up to 2)									
	on-going staff progress meetings (up to 8)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to months/reports)									
	Preparation for meetings and monthly progress reports, prepare minutes									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE II	Design Development (50%, 90%, 100% Plans)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Eng	Project Eng	Project Eng	CADD/Comp Tech			
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases									
	Revise Plans based on City comments									
	Review/respond to ADCU comments									
	Utility Coordination Meeting & follow up									
	Landscape & Hardscape Plans for A1A									
	Landscape Concept Plans & Schematic Design									
	Hardscape Concept Plans & Schematic Design									
	Site furnishings & details									
	GE Plans and Design Analysis									
	Cover Sheet									
	Legend and General Notes									
	Horizontal and Vertical Control Sheet									
	Survey of Existing Conditions including topographic survey									
	Sheet Layout									
	Paving, Grading and Drainage									
	Paving, Grading and Drainage Details									
	Stormwater Pollution Prevention Plan (SWPPP)									
	SWPPP Details									
	Traffic Control Plan details									
	Typical Sections									
	Cross Sections									
	Temporary Construction Easements									
	Utility Conflict Matrix									
	Signing Plans									
	Lighting Plans									
	Signalization Plans									
	Irrigation Plans									
	Construction Detail									
	SUE Tabulation Sheet									
	Prepare and submit (90%, 100% Plans) Restroom Civil Construction plans drawing packages									
	Cover Sheet									
	PGD plan									
	Utility Plan									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name SR A1A (East & West Sides)
 Project Number _____ 0
 Date Prepared 1/13/2014 Rev 2/10/14
 Estimated Budget _____
 Estimated B _____ Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Eng	Project Eng	Project Eng	CADD/Comp Tech			
	Erosion Control Plan									
	Detail Sheets (PGD, Erosion, Utility)									
	General Notes									
	Architectural Design for Restroom Facility (Concept & DRC)									
	Preliminary Architectural Site Plan Concepts									
	DRC Site Plan Submittal & Response to Comments									
	Structural									
	MEP Design									
	Landscape									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Broward County Traffic Engineering (signal)									
	State DEP									
	Army Corps (NA)									
	FWC/USFWS									
	Public Meeting Updates									
	Attend City Commission (1 meeting)									
	Attend Beach Redev Advisory Board - (2 meetings)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 8 months)									
	Prepare for monthly progress reports with City Staff									
	on-going staff progress meetings (up to 8)									
	Sustainability									
	Update document									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: SR A1A (East & West Sides)
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Eng	Project Eng	Project Eng	CADD/Comp Tech			
	Opinions of Probable Construction Cost Estimates									
	update OPC									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PHASE III Bidding Phase Services									
	Project Manual preparation									
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD									
	Boilerplate review & fill in per info specs									
	Bid items-Coordinate/provide City with list of bid items									
	Review by City Staff; submit bid document to City for review									
	RFI assistance-Review/respond up to 10 RFIs									
	Pre-bid Meeting attend 1 mtg with City staff to answer questions									
	Review bids and tabulate them									
	Review for inconsistencies, provide City w/recommendations									
	Attend 2 coord. Meetings with City and 1 with selected contractor									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

5.0
8%

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
 Project Number: _____
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: MM - Kimley-Horn and Associates, Inc.

Labor Tasks:	Estimated Effort Required										Total
	Kimley-Horn	ACAI	CMS	Dickey	EDSA	JALRW	Keith Assoc	S & F	Tierra		
Stage 1	Rcon./Studies/Outreach	\$11,168	\$0	\$0.00	\$380	\$580	\$125	\$13,495	\$0	\$5,305	\$31,053.00
Stage 2 & 3	Development of 15% and 30% Design	\$83,045	\$0	\$4,131.70	\$380	\$26,000	\$250	\$0	\$0	\$0	\$113,806.70
PHASE II	Design Development & CD's(50%, 90%, 100% P	\$95,081	\$0	\$6,281.80	\$2,280	\$24,680	\$3,375	\$0	\$0	\$0	\$131,697.80
PHASE III	Bidding Phase Services	\$14,109	\$0	\$0.00	\$0	\$5,790	\$600	\$0	\$0	\$0	\$20,499.00
	Total Labor:	\$203,403	\$0	\$10,413.50	\$3,040	\$57,050	\$4,350	\$13,495	\$0	\$5,305	\$297,056.50
Expense Tasks:											
700	Direct Expenses Allowance	\$2,000	\$0	\$180.00	\$0	\$500	\$0	\$0	\$0	\$0	\$2,680.00
701	Geotechnical Field Testing									\$5,182.07	\$5,182.07
	Total Expenses:	\$2,000	\$0	\$180.00	\$0	\$500	\$0	\$0	\$0	\$5,182.07	\$7,862.07
	Total Project:	\$205,403	\$0	\$10,593.50	\$3,040	\$57,550	\$4,350	\$13,495	\$0	\$10,487.07	\$304,918.57

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: MM - Kimley-Horn and Associates, Inc.

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

KHA Task # Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Misc. Direct Expense (\$)
		PM / Principal	Senior Prof	Prof	Analyst	Princip Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff	KHA Labor Total	
PHASE 1											
Stage 1	Recon./Studies/Outreach										
	Project setup - Establish project folder, contracts, procedures										
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.										
	Establish project's schedule, team review, provide to City, revise & update										
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team										
	Project kick-off meeting with City Staff-coordinate date/agenda, prep Minutes, action items follow up										
	Follow-up staff meeting(s) with City include minutes, follow up meetings										
	Review of Existing data/Collection of additional base data										
	Review existing data and studies provided by City. Draw utilities in CADD	1	1	3	16						
	Obtain FDOT record plans and ROW maps & review against survey		1	2	4						
	Investigate permit requirements with City, County, State, Federal	1	2								
	-visit Agencies, research their records & retrieve info.			6							
	- review all records and summarize results in a document	1		2							
	Perform Complete Streets Design review including, bicycle, ped zone, transit										
	Identify & coordinate transit facilities for ADA compliance (City and County)										
	Conduct ADA review, document all deficiencies; propose improvements										
	Assessment of existing & metered parking impacted by the project.										
	Establish design speed limits; prepare technical design criteria										
	Research & coordinate street light fixtures to obtain info and specs	1		2		2					
	Utility Coord- establish contacts & status matrix	1			6						
	-Transmit & receive marked up plans, files, review & draw in CAD	1	1	2	16						
	-Compare info with survey & perform field review to confirm, encroachments, sign inventory.	1		2	4						
	Traffic - receive direction from City on converting Almond to 1 way										
	Geotechnical Investigation Services (TSF)										
	Design Survey Services (K&A)										
	Subsurface Utility Exploration (SUE) Services (K&A)										
	Refinement of a site opportunities and constraints plan										
	Prepare diagram-present site's opportunities, include photo of existing			1							
	One review meeting with City Staff-discuss document for revision										
	Public information (combined with SR A1A)										
	Attend 1 City Commission meeting										

EXHIBIT 2 - COST DETAILS

KHA Task # Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)								KHA Labor Total	Misc. Direct Expense (\$)
		PM / Principal	Senior Prof	Prof	Analyst	Principa Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Attend 1 Beach Redevelopment Advisory Board meeting										
	Attend 1 Central Beach Alliance meeting										
	Attend up to 2 Bus. Associations: Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)										
	Attend up to 2 mtgs with Staff/ BRAB										
	Preparation of monthly reports (up to three [3])			2							
	Subtotal (Hours)	7	5	22	46	2	0	0	0		\$0
	Task Total (Dollars)	\$1,470	\$900	\$3,190	\$5,198	\$410	\$0	\$0	\$0	\$11,168	\$0
Stage 2 & 3	Development of 15% and 30% Design										
	Prepare and refine a roadway base map of project; CADD drawing	1	2	4	8						
	Roadway Design Analysis-All typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc	6	4	40	32						
	-Revise typ sections	1	2	6	8						
	Street Lighting Design- fixtures, photometric analysis, location	1		20		4					
	Landscape & Hardscape Design & Plans										
	Typical Section renderings for Almond, Banyan, Poinscttia										
	Landscape Concept Plans & Schematic Design										
	Hardscape Concept Plans & Schematic Design										
	Site furnishing & details										
	Undergrounding of overhead utility lines:										
	Underground plans for overhead utilities (establish criteria & plans)	1		4							
	Coordinate with individual utilities (2 meetings)	1	1	6							
	Coordinate details of underground utility location/easements; analyze impact; separation; UAO's to agree on trench	1	1	8	4						
	Prepare utility layout in plan view & cross section; review with UAO's	2	1	8	24						
	Prepare and invite for utility mtg all UAOs to discuss potential impacts & conflicts	1	1	5	2						
	Utility Coordination Process for all Agencies:										
	Prepare submittals to UAOs at 15% and 30% submittal phases			4	14						
	Prepare and invite for pre-design utility mtg of all UAOs	1		4	5						
	Prepare and invite for conflict resolution utility mtg. of all UAOs	1		4							
	Drainage Design										
	Conceptual drainage	2	4	8							
	Review existing drainage patterns-relationship to adjacent properties		2	4							
	Review in the field and interview adjacent property owners		1	4							
	Document stormwater design requirements	1	1	3							
	Prepare stormwater quantity and quality calculations	2	2	6	8						
	Las Olas Intersection										
	Develop intersection of Almond Ave with Las Olas Blvd										
	Consider paving material options at corners and crossings										

EXHIBIT 2 - COST DETAILS

KHA Task # Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Misc. Direct Expense (\$)
		PM / Principal	Senior Prof	Prof	Analyst	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff	KHA Labor Total	
	Design intersection for off-peak closures-allow ped and bike traffic		2	2							
	Electrical Services to Lights & Irrigation Controllers										
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages										
	Survey of existing conditions including topographic				3						
	Cover Sheet		1	1	6						
	Project sheet layout			2	4						
	Legend & General Notes		1	4	2						
	Horizontal and vertical control sheet		1	1	3						
	Roadway Typical Sections	1	1	8	8						
	Paving, Grading and Drainage Plans	1	2	8	16						
	Paving, Grading and Drainage Details	1		2	6						
	Roadway Cross Sections	1	2	8	12						
	Plans for Undergrounding of Overhead Utilities	2	1	4	4						
	Utility Trench Details	1	1	2	6						
	Lighting Photometric layout plan			12		2					
	Lighting Plans (N/A)										
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)										
	Traffic Control Plan (Concepts)										
	Preliminary Temporary Construction Easements/Encroachments	1	1	4							
	Conceptual Irrigation Memo										
	Construction Details	1	1	8	8						
	SUE Tabulation Sheet		1	2	4						
	Review & revise Plans based on City review comments	2	1	16	16						
	Engineering Permitting Coordination										
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)	2	1	4							
	SFWMD and dewatering	1	2								
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage	1	2								
	Broward Co Environ Reg Div, Dewatering	1	1								
	City of Ft. Lauderdale Engineering	1	2								
	Opinions of Probable Construction Cost Estimates										
	Prepare OPC	1	1	4	8						
	Right of Way and Easements										
	Identify preliminary constr easement needs	1		4	8						
	Sustainability										
	Review opportunities and alternatives (Memo incl. update)	1	1	4							
	Refine Preliminary Concept Plans based on public input for confirmation by City										
	Plan revision	2		8	16						
	City Staff and Consultant review of public input (combined with SR A1A)										
	Preparation for and participate in 1 meeting with City staff										
	Preparation of meeting notes from meeting										

EXHIBIT 2 - COST DETAILS

KHA Task # Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Misc. Direct Expense (\$)
		PM / Principal	Senior Prof	Prof	Analyst	Princip Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff	KHA Labor Total	
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)										
	Attend City Commission										
	Attend Beach Redevel Advisory Board										
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (up to 4 months/reports)										
	Preparation for meetings and monthly progress reports; prepare minutes	4		6							
	<i>Note: Meetings in the phase above are combined with SR A1A project</i>										
	Subtotal (Hours)	48	48	252	235	6	0	0	0		\$0
	Task Total (Dollars)	\$10,080	\$8,640	\$36,540	\$26,555	\$1,230	\$0	\$0	\$0	\$83,045	\$0
	PHASE II										
	Design Development & CD's(50%, 90%, 100% Plans)										
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases	6	12	32							
	Review/respond to FDOT comments related to state road intersections	2		6							
	Landscape & Hardscape Plans										
	Landscape Plans										
	Hardscape Plans										
	Site Furnishings & Details										
	CE Roadway Plans and Design Analysis:										
	Cover Sheet			1	1						
	Legend and General Notes			1	2						
	Horizontal and Vertical Control Sheet			1	1						
	Survey of Existing Conditions, including topographic survey			1	1						
	Demolition Plans										
	Sheet Layout			1	2						
	Paving, Grading and Drainage	3	6	24	16						
	Paving, Grading and Drainage Details			6	16						
	Stormwater Pollution Prevention Plan (SWPPP)										
	SWPPP Details	1	1	4	12						
	Traffic Control Plan Concepts	1	2	4	8						
	Typical Sections		1	4	8						
	Cross Sections		2	16	6						
	Preliminary Temporary Construction Easements	1	1	8	2						
	Undergrounding Overhead Utilities Plans	1	1	12	12						
	Utility Trench Details		1	2	4						
	Utility Conflict Matrix Sheets	1	1	3	8						
	Utility Coordination Meeting			4	4						
	Signing and Pavement Marking Plans	2	2	8	16						
	Lighting Plans	2		16	8	4					
	Irrigation Plans	1	4	24	16						
	Construction Detail	1	2	12	16						
	SUE Tabulation Sheet	2		1	4						
	Draft & Final Specifications	4	24	24							

EXHIBIT 2 - COST DETAILS

KHA Task # Subtask ID Number	KHA Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Misc. Direct Expense (\$)	
		PM / Principal	Senior Prof	Prof	Analyst	Princip Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		KHA Labor Total
	Permit Packages& RAI's										
	Address final comments from permitting agencies below:										
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)	2	2	12							
	SFWMD ERP and dewatering	2	6	20							
	City of Ft. Lauderdale Engineering	2	2	16							
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage	1	16	8							
	Broward Co Environ Reg Div, Dewatering	1	2	6							
	Public Meeting Updates										
	Attend City Commission (2 meetings)	3		3							
	Attend Beach Redevel Advisory Board - (2 meetings)	3		3							
	Public Meeting Updates (1 meeting)			3							
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 4 months)										
	Prepare for monthly progress reports with City Staff	3	12	12							
	Sustainability										
	Update document	2	1	4							
	Opinions of Probable Construction Cost Estimates										
	update OPC	2		6	24						
	Subtotal (Hours)	49	101	308	187	4	0	0	0		\$0
	Task Total (Dollars)	\$10,290	\$18,180	\$44,660	\$21,131	\$820	\$0	\$0	\$0	\$95,081	\$0
	PHASE III										
	Bidding Phase Services										
	Project Manual preparation:										
	Submit final bid plans in pdf to City, provide sets of 11 x 17/CD/DVD				8						
	Boilerplate-review & fill in proj info, specs	2	8	16							
	Bid items-Coordinate/provide City with list of bid items	2	2	6	6						
	Review by City Staff-submit bid document to City for review			2	4						
	RFI assistance-Review/respond up to 5 RFIs	3	2	10							
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions	1		4							
	Review bids and tabulate them	1		6							
	Review for inconsistencies, provide City w/recommendations	1		4							
	Attend 1 coord. Meeting with City and selected contractor	2		3							
	Subtotal (Hours)	12	12	51	18	0	0	0	0		\$0
	Task Total (Dollars)	\$2,520	\$2,160	\$7,395	\$2,034	\$0	\$0	\$0	\$0	\$14,109	\$0

EXHIBIT 2 - COST DETAILS

PROJECT EXPENSES

Project Name: Almond Ave Improvements
Project Number:
Date Prepared: Rev 2/10/14
Estimated By: MM - Kimley-Horn and Associates, Inc.

Expense Estimate	Size	Estimate
Black/White Copies	24 x 36	\$ 2,000.00
Color Copies	24 x 36	
Mylar Plots		
Presentation Board	Large	
Mail		\$ 2,000.00

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
Project Number: _____ 0
Date Prepared: 1/13/2014 Rev 2/10/14
Estimated By: CMS

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$0.00
Stage 2 & 3	Development of 15% and 30% Design	\$4,131.70
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$6,281.80
PHASE III	Bidding Phase Services	\$0.00
Total Labor:		\$10,413.50

Expense Tasks:		
700	Direct Expenses Allowance	\$0.00
701		
801	Reimbursable Expenses	\$180.00
Total Expenses:		\$180.00
Total Project:		\$10,593.50

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
PHASE I											
Stage 1	Recon./Studies/Outreach										
	Project setup - Establish project folder, contracts, procedures										
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.										
	Establish project's schedule, team review, provide to City, revise & update										
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team										
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up										
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)										
	Review of Existing data/Collection of additional base data										
	Review existing data and studies provided by City. Draw utilities in CADD										
	Obtain FDOT record plans and ROW maps & reiew against survey										
	Investigate permit requirements with City, County, State, Federal										
	-visit Agencies, research their records & retrieve info.										
	-review all records and summarize results in a document										
	Perform Complete Streets Design review including, bicycle, ped zone, transit										
	Identify & coordinate transit facilities for ADA compliance (City and County)										
	Conduct ADA review, document all deficiencies; propose improvements										
	Assessment of existing & metered parking impacted by the project										
	Establish design speed limits; prepare technical design criteria										
	Research & coordinate street light fixtures to obtain info and specs										
	Utility Coord-establish contacts & status matrix										
	-Transmit & receive marked up plans, files, review & draw in CAD										
	-Compare info with survey & perform field reiew to confirm, encroachments, sign inventory,										
	Traffic - Meet with City to receive direction on converting Almond to 1 way										
	Geotechnical Investigation Services (TSF)										
	Design Survey Services (K&A)										
	Subsurface Utility Exploriation (SUE) Services (K&A)										
	Refinement of a site oppourtunities and constraints plan										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Princip Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Prepare diagram-present site's opportunities, include photo of existing										
	One review meeting with City Staff-discuss document for revision										
	Public information (combined with SR A1A)										
	Attend 1 City Commission meeting										
	Attend 1 Beach Redevelopment Advisory Board meeting										
	Attend 1 Central Beach Alliance meeting										
	Attend up to 2 Bus. Associations Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)										
	Attend up to 2 mtgs with Staff/ BRAB										
	Preparation of monthly reports (up to three (3))										
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Stage 2 & 3											
	Development of 15% and 30% Design										
	Prepare and refine a roadway base map of project, CADD drawing										
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc										
	-Revise typ sections										
	Street Lighting Design- fixtures, photometric analysis, location										
	Landscape & Hardscape Design & Plans										
	Typical Section renderings for Almond, Banyan, Poinsettia										
	Landscape Concept Plans & Schematic Design										
	Hardscape Concept Plans & Schematic Design										
	Site furnishing & details										
	Undergrounding of overhead utility lines:										
	Underground plans for overhead utilities (establish criteria & plans)										
	Coordinate with individual utilities (3 meetings)										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Coordinate details of underground utility location/easements; analyze impact, separation; UAO's to agree on trench										
	Prepare utility layout in plan view & cross section; review with UAO's										
	Prepare and invite for utility mtg all UAOs to discuss potential impacts & conflicts										
	Utility Coordination Process for all Agencies:										
	Prepare submittals to UAOs at 15% and 30% submittal phases										
	Prepare and invite for pre-design utility mtg of all UAOs										
	Prepare and invite for conflict resolution utility mtg of all UAOs										
	Drainage Design										
	Conceptual drainage										
	Review existing drainage patterns-relationship to adjacent properties										
	Review in the field and interview adjacent property owners										
	Document stormwater design requirements										
	Prepare stormwater quantity and quality calculations										
	Las Olas Intersection										
	Develop intersection of Almond Ave with Las Olas Blvd										
	Consider paving material options at corners and crossings										
	Design intersection for off-peak closures-allow ped and bike traffic										
	Electrical Services to Lights & Irrigation Controllers										
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages										
	Survey of existing conditions including topographic										
	Cover Sheet										
	Project sheet layout										
	Legend & General Notes										
	Horizontal and vertical control sheet										
	Demolition Plans										
	Roadway Typical Sections										
	Paving, Grading and Drainage Plans										
	Paving, Grading and Drainage Details										
	Roadway Cross Sections										
	Plans for Undergrounding of Overhead Utilities										
	Utility Trench Details										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Lighting Photometric layout plan										
	Lighting Plans (N/A)										
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)										
	Traffic Control Plan (Concepts)										
	Preliminary Temporary Construction Easements/Encroachments										
	Conceptual Irrigation Memo										
	Construction Details										
	SUE Tabulation Sheet										
	Review & revise Plans based on City review comments										
	Engineering Permitting Coordination										
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)										
	SFWMD and dewatering										
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage										
	Broward Co Environ Reg Div, Dewatering										
	City of Ft. Lauderdale Engineering										
	Opinions of Probable Construction Cost Estimates										
	Prepare OPC	2	20	10	8						
	Right of Way and Easements										
	Identify preliminary constr easement needs										
	Sustainability										
	Review opportunities and alternatives (Memo incl. update)										
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City										
	Plan revision										
	City Staff and Consultant review of public input (combined with SR A1A)										
	Preparation for and participate in 1 meeting with City staff										
	Preparation of meeting notes from meeting										
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)										
	Attend City Commission										
	Attend Beach Redev Advisory Board										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (to 8 months/reports)										
	Preparation for meetings and monthly progress reports; prepare minutes										
	<i>Note: Meetings in the phase above are combined with SR AIA project</i>										
	Subtotal (Hours)	2	20	10	8	0	0	0	0		\$0
	Task Total (Dollars)	\$371.82	\$2,161.40	\$950.00	\$648.48	\$0.00	\$0.00	\$0.00	\$0.00	\$4,131.70	\$0.00
	PHASE II Design Development & CD's(50%, 90%, 100% Plans)										
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases										
	Review/respond to FDOT comments related to state road intersections										
	Landscape & Hardscape Plans										
	Landscape Plans										
	Hardscape Plans										
	Site Furnishings & Details										
	CE Roadway Plans and Design Analysis:										
	Cover Sheet										
	Legend and General Notes										
	Horizontal and Vertical Control Sheet										
	Survey of Existing Conditions, including topographic survey										
	Demolition Plans										
	Sheet Layout										
	Paving, Grading and Drainage										
	Paving, Grading and Drainage Details										
	Stormwater Pollution Prevention Plan (SWPPP)										
	SWPPP Details										
	Traffic Control Plan Concepts										
	Typical Sections										
	Cross Sections										
	Preliminary Temporary Construction Easements										
	Undergrounding Overhead Utilities Plans										
	Utility Trench Details										
	Utility Conflict Matrix Sheets										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task# Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Princip Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff		
	Utility Coordination Meeting										
	Signing and Pavement Marking Plans										
	Lighting Plans										
	Irrigation Plans										
	Construction Detail										
	SUE Tabulation Sheet										
	Draft & Final Specifications										
	Permit Packages& RAI's										
	Address final comments from permitting agencies below:										
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)										
	SFWMD ERP and dewatering										
	City of Ft. Lauderdale Engineering										
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage										
	Broward Co Environ Reg Div, Dewatering										
	Public Meeting Updates										
	Attend City Commission (2 meetings)										
	Attend Beach Redev Advisory Board - (2 meetings)										
	Public Meeting Updates (1 meeting)										
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)										
	Prepare for monthly progress reports with City Staff										
	Sustainability										
	Update document										
	Opinions of Probable Construction Cost Estimates										
	update OPC	2	34	15	10						
	Subtotal (Hours)	2	34	15	10	0	0	0	0		\$0
	Task Total (Dollars)	\$371.82	\$3,674.38	\$1,425.00	\$810.60	\$0.00	\$0.00	\$0.00	\$0.00	\$6,281.80	\$0
PHASE III	Bidding Phase Services										
	Project Manual preparation:										
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: CMS

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM Principal	Senior Estimator	Estimator	Junior Estimator	Principal Traffic / Lighting Engr	Designer	Tech/ Field Rep	Support Staff	Labor Total	
	Boilerplate-review & fill in proj info, specs										
	Bid items-Coordinate/provide City with list of bid items										
	Review by City Staff-submit bid document to City for review										
	RFI assistance-Review/respond up to 10 RFIs										
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions										
	Review bids and tabulate them										
	Review for inconsistencies, provide City w/recommendations										
	Attend 2 coord. Meetings with City and 1 with selected contractor										
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
Project Number: 0
Date Prepared: 1/13/2014 Rev 2/10/14
Estimated By: Dickey

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$380
Stage 2 & 3	Development of 15% and 30% Design	\$380
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$2,280
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$3,040

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$3,040

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	
PHASE I										
Stage 1	Recon./Studies/Outreach									
	Project setup - Establish project folder, contracts, procedures									
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.									
	Establish project's schedule, team review, provide to City, revise & update									
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team									
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up									
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)									
	Review of Existing data/Collection of additional base data									
	Review existing data and studies provided by City. Draw utilities in CADD									
	Obtain FDOT record plans and ROW maps & review against survey									
	Investigate permit requirements with City, County, State, Federal									
	-visit Agencies, research their records & retrieve info.									
	- review all records and summarize results in a document									
	Perform Complete Streets Design review including, bicycle, ped zone, transit									
	Identify & coordinate transit facilities for ADA compliance (City and County)									
	Conduct ADA review, document all deficiencies; propose improvements									
	Assessment of existing & metered parking impacted by the project.									
	Establish design speed limits; prepare technical design criteria									
	Research & coordinate street light fixtures to obtain info and specs									
	Utility Coord-establish contacts & status matrix									
	-Transmit & receive marked up plans, files, review & draw in CAD									
	-Compare info with survey & perform field review to confirm, encroachments, sign inventory.									
	Traffic - Meet with City to receive direction on converting Almond to 1 way									
	Geotechnical Investigation Services (TSF)									
	Design Survey Services (K&A)									
	Subsurface Utility Exploration (SUE) Services (K&A)									
	Refinement of a site opportunities and constraints plan									
	Prepare diagram-present site's opportunities, include photo of existing									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	Labor Total	
	One review meeting with City Staff-discuss document for revision										
	Public information (combined with SR A1A)										
	Attend 1 City Commission meeting										
	Attend 1 Beach Redevelopment Advisory Board meeting										
	Attend 1 Central Beach Alliance meeting										
	Attend up to 2 Bus. Associations Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)										
	Attend up to 2 mtgs with Staff/ BRAB	2									
	Preparation of monthly reports (up to three [3])										
	Subtotal (Hours)	2	0	0	0	0	0	0	0		\$0
	Task Total (Dollars)	\$380	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$380	\$0
	Stage 2 & 3										
	Development of 15% and 30% Design										
	Prepare and refine a roadway base map of project, CADD drawing										
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc										
	Revise typ sections										
	Street Lighting Design- fixtures, photometric analysis, location										
	Landscape & Hardscape Design & Plans										
	Typical Section renderings for Almond, Banyan, Poinsettia										
	Landscape Concept Plans & Schematic Design										
	Hardscape Concept Plans & Schematic Design										
	Site furnishing & details										
	Undergrounding of overhead utility lines:										
	Underground plans for overhead utilities (establish criteria & plans)										
	Coordinate with individual utilities (3 meetings)										
	Coordinate details of underground utility location/easements; analyze impact, separation; UAO's to agree on trench										
	Prepare utility layout in plan view & cross section; review with UAO's										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	
	Prepare and invite for utility mtg all UAOs to discuss potential impacts & conflicts									
	Utility Coordination Process for all Agencies:									
	Prepare submittals to UAOs at 15% and 30% submittal phases									
	Prepare and invite for pre-design utility mtg of all UAOs									
	Prepare and invite for conflict resolution utility mtg. of all UAOs									
	Drainage Design									
	Conceptual drainage									
	Review existing drainage patterns-relationship to adjacent properties									
	Review in the field and interview adjacent property owners									
	Document stormwater design requirements									
	Prepare stormwater quantity and quality calculations									
	Las Olas Intersection									
	Develop intersection of Almond Ave with Las Olas Blvd									
	Consider paving material options at corners and crossings									
	Design intersection for off-peak closures-allow ped and bike traffic									
	Electrical Services to Lights & Irrigation Controllers									
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages									
	Survey of existing conditions including topographic									
	Cover Sheet									
	Project sheet layout									
	Legend & General Notes									
	Horizontal and vertical control sheet									
	Demolition Plans									
	Roadway Typical Sections									
	Paving, Grading and Drainage Plans									
	Paving, Grading and Drainage Details									
	Roadway Cross Sections									
	Plans for Undergrounding of Overhead Utilities									
	Utility Trench Details									
	Lighting Photometric layout plan									
	Lighting Plans (N/A)									
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)									
	Traffic Control Plan (Concepts)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	
	Preliminary Temporary Construction Easements/Encroachments									
	Conceptual Irrigation Memo									
	Construction Details									
	SUE Tabulation Sheet									
	Review & revise Plans based on City review comments									
	Engineering Permitting Coordination									
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)									
	SFWM and dewatering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	City of Ft. Lauderdale Engineering									
	Opinions of Probable Construction Cost Estimates									
	Prepare OPC									
	Right of Way and Easements									
	Identify preliminary constr easement needs									
	Sustainability									
	Review opportunities and alternatives (Memo incl. update)									
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City									
	Plan revision									
	City Staff and Consultant review of public input (combined with SR A1A)									
	Preparation for and participate in 1 meeting with City staff		2							
	Preparation of meeting notes from meeting									
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)									
	Attend City Commission									
	Attend Beach Redev Advisory Board									
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u to 8 months/reports)									
	Preparation for meetings and monthly progress reports; prepare minutes									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk		
<i>Note: Meetings in the phase above are combined with SR A1A project</i>											
Subtotal (Hours)		2	0	0	0	0	0	0	0	0	\$0
Task Total (Dollars)		\$380	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$380
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)										
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases										
	Review/respond to FDOT comments related to state road intersections										
	Landscape & Hardscape Plans										
	Landscape Plans										
	Hardscape Plans										
	Site Furnishings & Details										
	CE Roadway Plans and Design Analysis:										
	Cover Sheet										
	Legend and General Notes										
	Horizontal and Vertical Control Sheet										
	Survey of Existing Conditions, including topographic survey										
	Demolition Plans										
	Sheet Layout										
	Paving, Grading and Drainage										
	Paving, Grading and Drainage Details										
	Stormwater Pollution Prevention Plan (SWPPP)										
	SWPPP Details										
	Traffic Control Plan Concepts										
	Typical Sections										
	Cross Sections										
	Preliminary Temporary Construction Easements										
	Undergrounding Overhead Utilities Plans										
	Utility Trench Details										
	Utility Conflict Matrix Sheets										
	Utility Coordination Meeting										
	Signing and Pavement Marking Plans										
	Lighting Plans										
	Irrigation Plans										
	Construction Detail										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	
	SUE Tabulation Sheet									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below:									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Public Meeting Updates									
	Attend City Commission (2 meetings)	6								
	Attend Beach Redevel Advisory Board - (2 meetings)	4								
	Public Meeting Updates (1 meeting)	2								
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)									
	Prepare for monthly progress reports with City Staff									
	Sustainability									
	Update document									
	Opinions of Probable Construction Cost Estimates									
	update OPC									
	Subtotal (Hours)	12	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$2,280	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,280 \$0
PHASE III	Bidding Phase Services									
	Project Manual preparation:									
	Submit final bid plans in pdf to City, provide sets of 11 x 17/CD/DVD									
	Boilerplate-review & fill in proj info, specs									
	Bid items-Coordinate/provide City with list of bid items									
	Review by City Staff-submit bid document to City for review									
	RFI assistance-Review/respond up to 10 RFIs									
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Dickey

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		Project Director	Project Manager	Senior Inspector	Document Control Specialist	Senior Project Coordina- tor	Project Coordina- tor	Admin Assistant	Clerk	Labor Total	
	Review bids and tabulate them										
	Review for inconsistencies, provide City w/recommendations										
	Attend 2 coord. Meetings with City and 1 with selected contractor										
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
Project Number: 0
Date Prepared: 1/13/2014 Rev 2/10/14
Estimated By: JRS - EDSA

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$580
Stage 2 & 3	Development of 15% and 30% Design	\$26,000
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$24,680
PHASE III	Bidding Phase Services	\$5,790
Total Labor:		\$57,050

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801	Black and White copies, 24x36	\$250
802	Color copies, 24x36	\$250
803	Color copies, 11x17	\$0
804		\$0
805		\$0
805		\$0
Total Expenses:		\$500
Total Project:		\$57,550

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern	Clerical	
PHASE I										
Stage 1	Recon./Studies/Outreach									
	Project setup - Establish project folder, contracts, procedures									
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.									
	Establish project's schedule, team review, provide to City, revise & update									
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team									
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up	0	0							
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)		1						1	
	Review of Existing data/Collection of additional base data									
	Review existing data and studies provided by City. Draw utilities in CADD		1		1					
	Obtain FDOT record plans and ROW maps & review against survey									
	Investigate permit requirements with City, County, State, Federal									
	-visit Agencies, research their records & retrieve info.									
	-review all records and summarize results in a document									
	Perform Complete Streets Design review including, bicycle, ped zone, transit									
	Identify & coordinate transit facilities for ADA compliance (City and County)									
	Conduct ADA review, document all deficiencies; propose improvements									
	Assessment of existing & metered parking impacted by the project									
	Establish design speed limits; prepare technical design criteria									
	Research & coordinate street light fixtures to obtain info and specs									
	Utility Coord-establish contacts & status matrix									
	-Transmit & receive marked up plans, files, review & draw in CAD									
	-Compare info with survey & perform field review to confirm, encroachments, sign inventory,									
	Traffic - Meet with City to receive direction on converting Almond to 1 way									
	Geotechnical Investigation Services (TSF)									
	Design Survey Services (K&A)									
	Subsurface Utility Exploration (SUE) Services (K&A)									
	Refinement of a site opportunities and constraints plan									
	Prepare diagram-present site's opportunities, include photo of existing									
	One review meeting with City Staff-discuss document for revision									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: _____ 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern	Clerical		
	Public information (combined with SR A1A)										
	Attend 1 City Commission meeting										
	Attend 1 Beach Redevelopment Advisory Board meeting										
	Attend 1 Central Beach Alliance meeting										
	Attend up to 2 Bus. Associations Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)										
	Attend up to 2 mtgs with Staff/ BRAB	0	0								
	Preparation of monthly reports (up to three (3))										
	Subtotal (Hours)	0	2	0	1	0	0	0	1		\$0
	Task Total (Dollars)	\$0	\$380	\$0	\$150	\$0	\$0	\$0	\$50	\$580	\$0
Stage 2 & 3											
	Development of 15% and 30% Design										
	Prepare and refine a roadway base map of project, CADD drawing										
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc										
	-Revise typ sections										
	Street Lighting Design- fixtures, photometric analysis, location	1	1		2						
	Landscape & Hardscape Design & Plans										
	Typical Section renderings for Almond, Banyan, Poinsettia	1	2		14	12	12	8			
	Landscape Concept Plans & Schematic Design	1	2		14	12	12	8			
	Hardscape Concept Plans & Schematic Design	1	2		14	12	12	8			
	Site furnishing & details	1	2		8	8	8	8			
	Undergrounding of overhead utility lines:										
	Underground plans for overhead utilities (establish criteria & plans)										
	Coordinate with individual utilities (3 meetings)										
	Coordinate details of underground utility location/easements; analyze impact separation; UAO's to agree on trench										
	Prepare utility layout in plan view & cross section; review with UAO's										
	Prepare and invite for utility mtg all UAO's to discuss potential impacts & conflicts										
	Utility Coordination Process for all Agencies:										
	Prepare submittals to UAO's at 15% and 30% submittal phases										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total	
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern		Clerical
	Prepare and invite for pre-design utility mtg of all UAOs									
	Prepare and invite for conflict resolution utility mtg. of all UAOs									
	Drainage Design									
	Conceptual drainage		1							
	Review existing drainage patterns-relationship to adjacent properties									
	Review in the field and interview adjacent property owners									
	Document stormwater design requirements									
	Prepare stormwater quantity and quality calculations									
	Las Olas Intersection									
	Develop intersection of Almond Ave with Las Olas Blvd									
	Consider paving material options at corners and crossings									
	Design intersection for off-peak closures-allow ped and bike traffic									
	Electrical Services to Lights & Irrigation Controllers									
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages									
	Survey of existing conditions including topographic									
	Cover Sheet									
	Project sheet layout									
	Legend & General Notes									
	Horizontal and vertical control sheet									
	Demolition Plans									
	Roadway Typical Sections									
	Paving, Grading and Drainage Plans									
	Paving, Grading and Drainage Details									
	Roadway Cross Sections									
	Plans for Undergrounding of Overhead Utilities									
	Utility Trench Details									
	Lighting Photometric layout plan									
	Lighting Plans (N/A)									
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)									
	Traffic Control Plan (Concepts)									
	Preliminary Temporary Construction Easements/Encroachments									
	Conceptual Irrigation Memo									
	Construction Details									
	SUE Tabulation Sheet									
	Review & revise Plans based on City review comments									
	Engineering Permitting Coordination									
	FDOT (Design, Traffic, Modal Dev. ROW and permits office)	1	1							

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern	Clerical		
	SFWMD and dewatering										
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage										
	Broward Co Environ Reg Div, Dewatering										
	City of Ft. Lauderdale Engineering	1	1								
	Opinions of Probable Construction Cost Estimates										
	Prepare OPC										
	Right of Way and Easements										
	Identify preliminary constr easement needs										
	Sustainability										
	Review opportunities and alternatives (Memo incl. update)										
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City										
	Plan revision	1	1		6	6	4	4			
	City Staff and Consultant review of public input (combined with SR A1A)										
	Preparation for and participate in 1 meeting with City staff										
	Preparation of meeting notes from meeting										
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)										
	Attend City Commission										
	Attend Beach Redev Advisory Board										
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u to 8 months/reports)										
	Preparation for meetings and monthly progress reports; prepare minutes				3				2		
	<i>Note: Meetings in the phase above are combined with SR A1A project</i>										
	Subtotal (Hours)	8	13	0	61	50	48	36	2		\$0
	Task Total (Dollars)	\$1,680	\$2,470	\$0	\$9,150	\$6,000	\$4,800	\$1,800	\$100	\$26,000	\$0
	PHASE II Design Development & CD's(50%, 90%, 100% Plans)										
	Review and address City comments; meet to resolve comments for 30%, 50% & 90% phases	1	2		8						
	Review/respond to FDOT comments related to state road intersections										
	Landscape & Hardscape Plans										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern	Clerical	
	Landscape Plans	1	2		16	16	16	8		
	Hardscape Plans	1	2		16	16	16	8		
	Site Furnishings & Details	1	2		16	16	16	8		
	CE Roadway Plans and Design Analysis:									
	Cover Sheet									
	Legend and General Notes									
	Horizontal and Vertical Control Sheet									
	Survey of Existing Conditions, including topographic survey									
	Demolition Plans									
	Sheet Layout									
	Paving, Grading and Drainage									
	Paving, Grading and Drainage Details									
	Stormwater Pollution Prevention Plan (SWPPP)									
	SWPPP Details									
	Traffic Control Plan Concepts									
	Typical Sections									
	Cross Sections									
	Preliminary Temporary Construction Easements									
	Undergrounding Overhead Utilities Plans									
	Utility Trench Details									
	Utility Conflict Matrix Sheets									
	Utility Coordination Meeting									
	Signing and Pavement Marking Plans									
	Lighting Plans		1							
	Irrigation Plans									
	Construction Detail									
	SUE Tabulation Sheet									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below:									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering	1	1		4	4				
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Public Meeting Updates									
	Attend City Commission (2 meetings)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: JRS - EDSA

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total	
		Principal	Associate Principal	Vice President	Senior Associate	Associate	Designer	Intern	Clerical		
	Attend Bench Redev Advisory Board (2 meetings)										
	Public Meeting Updates (1 meeting)										
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)										
	Prepare for monthly progress reports with City Staff		1		2						
	Sustainability										
	Update document										
	Opinions of Probable Construction Cost Estimates										
	update OPC										
	Subtotal (Hours)	5	11	0	62	52	48	24	0		\$0
	Task Total (Dollars)	\$1,050	\$2,090	\$0	\$9,300	\$6,240	\$4,800	\$1,200	\$0	\$24,680	\$0
PHASE III	Bidding Phase Services										
	Project Manual preparation:		1		4						
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD				2		1	1			
	Boilerplate-review & fill in proj info, specs		1		4						
	Bid items-Coordinate/provide City with list of bid items				2						
	Review by City Staff-submit bid document to City for review		1		2						
	RFI assistance-Review/respond up to 10 RFIs				4	2	2	2			
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions		1		2						
	Review bids and tabulate them		1		2						
	Review for inconsistencies, provide City w/recommendations				2						
	Attend 2 coord. Meetings with City and 1 with selected contractor	1	1		1						
	Subtotal (Hours)	1	6	0	25	2	3	3	0		\$0
	Task Total (Dollars)	\$210	\$1,140	\$0	\$3,750	\$240	\$300	\$150	\$0	\$5,790	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014 0
 Estimated By: AHL - JALRW

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$125
Stage 2 & 3	Development of 30% Design	\$250
PHASE II	Design Development & CD's (50%, 90%, 100% Plans)	\$3,375
PHASE III	Bidding Phase Services	\$600
Total Labor:		\$4,350

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801		0 \$0
802		0 \$0
803		0 \$0
804		0 \$0
805		0 \$0
805		0 \$0
Total Expenses:		\$0
Total Project:		\$4,350

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014
 Estimated By: AHL - JALRW

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical			
PHASE I									
Stage 1	Recon./Studies/Outreach								
	Project setup - Establish project folder, contracts, procedures								
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.								
	Establish project's schedule, team review, provide to City, revise & update								
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team								
	Project kick-off meeting with City Staff-coordinate date/agenda, ptep. Minutes, action items follow up								
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)								
	Review of Existing data/Collection of additional base data								
	Review existing data and studies provided by City. Draw utilities in CADD								
	Obtain FDOT record plans and ROW maps & reiew against survey								
	Investigate permit requirements with City, County, State, Federal								
	-visit Agencies, research their records & retrieve info.								
	-review all records and summarize results in a document								
	Perform Complete Streets Design review including, bicycle, ped zone, transit								
	Identify & coordinate transit facilities for ADA compliance (City and County)								
	Conduct ADA review, document all deficiencies, propose improvements								
	Assessment of existing & metered parking impacted by the project								
	Establish design speed limits; prepare technical design criteria								
	Research & coordinate street light fixtures to obtain info and specs								
	Utility Coord-establish contacts & status matrix								
	-Transmit & receive marked up plans, files, review & draw in CAD								
	-Compare info with survey & perform field reiew to confirm, encroachments, sign inventory.								
	Traffic - Meet with City to receive direction on converting Almond to 1 way								
	Geotechnical Investigation Services (ISF)								
	Design Survey Services (K&A)								
	Subsurface Utility Exploriation (SUE) Services (K&A)								
	Refinement of a site oppourtunities and constraints plan								
	Prepare diagram-present site's oppourtunities, include photo of existing								
	One review meeting with City Staff-discuss document for revision								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014
 Estimated By: AHL - JALRW

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical			
	Public information (combined with SR A1A)								
	Attend 1 City Commission meeting								
	Attend 1 Beach Redevelopment Advisory Board meeting								
	Attend 1 Central Beach Alliance meeting								
	Attend up to 2 Bus. Associations Chamber, Broward Workshop								
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)								
	Attend up to 2 mtgs with Staff/BRAB								
	Preparation of monthly reports (up to three (3))								
	Subtotal (Hours)	0	0	1	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$125	\$0	\$0	\$0	\$0	\$125
	Stage 2 & 3								
	Development of 30% Design								
	Prepare and refine a roadway base map of project. CADD drawing								
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc								
	-Revise typ sections								
	Street Lighting Design- fixtures, photometric analysis, location								
	Landscape & Hardscape Design & Plans								
	Typical Section renderings for Almond, Banyan, Poinsettia								
	Landscape Concept Plans & Schematic Design								
	Hardscape Concept Plans & Schematic Design								
	Site furnishing & details								
	Undergrounding of overhead utility lines:								
	Underground plans for overhead utilities (establish criteria & plans)								
	Coordinate with individual utilities (3 meetings)								
	Coordinate details of underground utility location/easements; analyze impact; separation; UAO's to agree on trench								
	Prepare utility layout in plan view & cross section; review with UAO's								
	Prepare and invite for utility mtg all UAO's to discuss potential impacts & conflicts								
	Utility Coordination Process for all Agencies:								
	Prepare submittals to UAO's at 15% and 30% submittal phases								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014
 Estimated By: AHL - JALRW

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical			
	Prepare and invite for pre-design utility mtg of all UAOs								
	Prepare and invite for conflict resolution utility mtg. of all UAOs								
	Drainage Design								
	Conceptual drainage								
	Review existing drainage patterns-relationship to adjacent properties								
	Review in the field and interview adjacent property owners								
	Document stormwater design requirements								
	Prepare stormwater quantity and quality calculations								
	Las Olas Intersection								
	Develop intersection of Almond Ave with Las Olas Blvd								
	Consider paving material options at corners and crossings								
	Design intersection for off-peak closures-allow ped and bike traffic								
	Electrical Services to Lights & Irrigation Controllers								
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages								
	Survey of existing conditions including topographic			2					
	Cover Sheet								
	Project sheet layout								
	Legend & General Notes								
	Horizontal and vertical control sheet								
	Demolition Plans								
	Roadway Typical Sections								
	Paving, Grading and Drainage Plans								
	Paving, Grading and Drainage Details								
	Roadway Cross Sections								
	Plans for Undergrounding of Overhead Utilities								
	Utility Trench Details								
	Lighting Photometric layout plan								
	Lighting Plans (N/A)								
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)								
	Traffic Control Plan (Concepts)								
	Preliminary Temporary Construction Easements/Encroachments								
	Conceptual Irrigation Memo								
	Construction Details								
	SUE Tabulation Sheet								
	Review & revise Plans based on City review comments								
	Engineering Permitting Coordination								
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014
 Estimated By: AHL - JALRW

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical			
	SFWMD and dewatering								
	Broward Co Environ Reg Div. Environ Resource Permit - Drainage								
	Broward Co Environ Reg Div, Dewatering								
	City of Ft. Lauderdale Engineering								
	Opinions of Probable Construction Cost Estimates								
	Prepare OPC								
	Right of Way and Easements								
	Identify preliminary constr easement needs								
	Sustainability								
	Review opportunities and alternatives (Memo incl. update)								
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City								
	Plan revision								
	City Staff and Consultant review of public input (combined with SR A1A)								
	Preparation for and participate in 1 meeting with City staff								
	Preparation of meeting notes from meeting								
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)								
	Attend City Commission								
	Attend Beach Redev Advisory Board								
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u to 8 months/reports)								
	Preparation for meetings and monthly progress reports; prepare minutes								
	<i>Note: Meetings in the phase above are combined with SR A1A project</i>								
	Subtotal (Hours)	0	0	2	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$250	\$0	\$0	\$0	\$0	\$250
PHASE II	Design Development & CD's (50%, 90%, 100% Plans)			16	13				
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases			2	2				
	Review/respond to FDOT comments related to state road intersections								
	CE Roadway Plans and Design Analysis:								
	Cover Sheet								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: _____ 0
 Date Prepared: 2/12/2014 _____ 0
 Estimated By: AHL - JALRW _____

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical			
	Legend and General Notes								
	Horizontal and Vertical Control Sheet								
	Survey of Existing Conditions, including topographic survey								
	Demolition Plans								
	Sheet Layout								
	Paving, Grading and Drainage								
	Paving, Grading and Drainage Details								
	Stormwater Pollution Prevention Plan (SWPPP)								
	SWPPP Details								
	Traffic Control Plan Concepts								
	Typical Sections								
	Cross Sections								
	Preliminary Temporary Construction Easements								
	Undergrounding Overhead Utilities Plans								
	Utility Trench Details								
	Utility Conflict Matrix Sheets								
	Utility Coordination Meeting								
	Signing and Pavement Marking Plans								
	Lighting Plans								
	Irrigation Plans								
	Construction Detail								
	SUE Tabulation Sheet								
	Draft & Final Specifications								
	Permit Packages & RAI's								
	Address final comments from permitting agencies below:								
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)								
	SFWMD ERP and dewatering								
	City of Ft. Lauderdale Engineering								
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage								
	Broward Co Environ Reg Div, Dewatering								
	Public Meeting Updates								
	Attend City Commission (2 meetings)								
	Attend Beach Redev Advisory Board - (2 meetings)								
	Public Meeting Updates (1 meeting)								
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)								
	Prepare for monthly progress reports with City Staff								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 2/12/2014
 Estimated By: AHL - JALRW

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Principal	PM	Engineer	CAD Tech	Clerical				
	Sustainability									
	Update document									
	Opinions of Probable Construction Cost Estimates									
	update OPC									
	Subtotal (Hours)	0	0	18	15	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$2,250	\$1,125	\$0	\$0	\$0	\$0	\$3,375
	PHASE III Bidding Phase Services									
	Project Manual preparation:									
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD									
	Boilerplate-review & fill in proj info, specs									
	Bid items-Coordinate/provide City with list of bid items									
	Review by City Staff-submit bid document to City for review									
	RFI assistance-Review/respond up to 10 RFIs			3	3					
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions									
	Review bids and tabulate them									
	Review for inconsistencies, provide City w/recommendations									
	Attend 2 coord. Meetings with City and 1 with selected contractor									
	Subtotal (Hours)	0	0	3	3	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$375	\$225	\$0	\$0	\$0	\$0	\$600

0.0
 0% PM

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$7,295
Stage 2 & 3	Development of 15% and 30% Design	\$0
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$7,295

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$7,295

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Senior Technician	Field Crew Supervisor	Senior Professional Surveyor	Survey Party (2) Person	Survey Party (3) Person			
PHASE I									
Stage 1	Recon./Studies/Outreach								
	Project setup - Establish project folder, contracts, procedures								
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.								
	Establish project's schedule, team review, provide to City, revise & update								
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team								
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up								
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)								
	Review of Existing data/Collection of additional base data								
	Review existing data and studies provided by City. Draw utilines in CADD								
	Obtain FDOT record plans and ROW maps & review against survey								
	Investigate permit requirements with City, County, State, Federal								
	-visit Agencies, research their records & retrieve info.								
	- review all records and summarize results in a document								
	Perform Complete Streets Design review including, bicycle, ped zone, transit								
	Identify & coordinate transit facilities for ADA compliance (City and County)								
	Conduct ADA review, document all deficiencies; propose improvements								
	Assessment of existing & metered parking impacted by the project								
	Establish design speed limits; prepare technical design criteria								
	Research & coordinate street light fixtures to obtain info and specs								
	Utility Coord-establish contacts & status matrix								
	-Transmit & receive marked up plans, files, review & draw in CAD								
	-Compare info with survey & perform field review to confirm, encroachments, sign inventory.								
	Traffic - Meet with City to receive direction on converting Almond to 1 way								
	Geotechnical Investigation Services (TSF)								
	Design Survey Services (K&A)	24	4	4	45				
	Subsurface Utility Exploration (SUE) Services (K&A)								
	Refinement of a site opportunities and constraints plan								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Senior Technician	Field Crew Supervisor	Senior Professional Surveyor	Survey Party (2) Person	Survey Party (3) Person				
	Prepare diagram-present site's opportunities, include photo of existing									
	One review meeting with City Staff-discuss document for revision									
	Public information (combined with SR A1A)									
	Attend 1 City Commission meeting									
	Attend 1 Beach Redevelopment Advisory Board meeting									
	Attend 1 Central Beach Alliance meeting									
	Attend up to 2 Bus. Associations Chamber, Broward Workshop									
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)									
	Attend up to 2 mtgs with Staff/ BRAB									
	Preparation of monthly reports (up to three {3})									
	Subtotal (Hours)	24	4	4	45	0	0	0	0	\$0
	Task Total (Dollars)	\$2,160	\$380	\$480	\$4,275	\$0	\$0	\$0	\$0	\$7,295
Stage 2 & 3										
	Development of 15% and 30% Design									
	Prepare and refine a roadway base map of project, CADD drawing									
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc									
	-Revise typ sections									
	Street Lighting Design- fixtures, photometric analysis, location									
	Landscape & Hardscape Design & Plans									
	Typical Section renderings for Almond, Banyan, Poinsettia									
	Landscape Concept Plans & Schematic Design									
	Hardscape Concept Plans & Schematic Design									
	Site furnishing & details									
	Undergrounding of overhead utility lines:									
	Underground plans for overhead utilities (establish criteria & plans)									
	Coordinate with individual utilities (3 meetings)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Kcith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Senior Technici an	Field Crew Supervis or	Senior Professi onal Surveyor	Survey Party (2) Person	Survey Party (3) Person			
	Coordinate details of underground utility location/easements; analyze impact, separation; UAO's to agree on trench								
	Prepare utility layout in plan view & cross section; review with UAO's								
	Prepare and invite for utility mtg all UAOs to discuss potential impacts & conflicts								
	Utility Coordination Process for all Agencies:								
	Prepare submittals to UAOs at 15% and 30% submittal phases								
	Prepare and invite for pre-design utility mtg of all UAOs								
	Prepare and invite for conflict resolution utility mtg. of all UAOs								
	Drainage Design								
	Conceptual drainage								
	Review existing drainage patterns-relationship to adjacent properties								
	Review in the field and interview adjacent property owners								
	Document stormwater design requirements								
	Prepare stormwater quantity and quality calculations								
	Las Olas Intersection								
	Develop intersection of Almond Ave with Las Olas Blvd								
	Consider paving material options at corners and crossings								
	Design intersection for off-peak closures-allow ped and bike traffic								
	Electrical Services to Lights & Irrigation Controllers								
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages								
	Survey of existing conditions including topographic								
	Cover Sheet								
	Project sheet layout								
	Legend & General Notes								
	Horizontal and vertical control sheet								
	Demolition Plans								
	Roadway Typical Sections								
	Paving, Grading and Drainage Plans								
	Paving, Grading and Drainage Details								
	Roadway Cross Sections								
	Plans for Undergrounding of Overhead Utilities								
	Utility Trench Details								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Labor Total
		Senior Technician	Field Crew Supervisor	Senior Professional Surveyor	Survey Party (2) Person	Survey Party (3) Person			
	Lighting Photometric layout plan								
	Lighting Plans (N/A)								
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)								
	Traffic Control Plan (Concepts)								
	Preliminary Temporary Construction Easements/Encroachments								
	Conceptual Irrigation Memo								
	Construction Details								
	SUE Tabulation Sheet								
	Review & revise Plans based on City review comments								
	Engineering Permitting Coordination								
	EDOT (Design, Traffic, Modal Dev, ROW and permits office)								
	SFWM and dewatering								
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage								
	Broward Co Environ Reg Div, Dewatering								
	City of Ft. Lauderdale Engineering								
	Opinions of Probable Construction Cost Estimates								
	Prepare OPC								
	Right of Way and Easements								
	Identify preliminary constr easement needs								
	Sustainability								
	Review opportunities and alternatives (Memo incl. update)								
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City								
	Plan revision								
	City Staff and Consultant review of public input (combined with SR A1A)								
	Preparation for and participate in 1 meeting with City staff								
	Preparation of meeting notes from meeting								
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)								
	Attend City Commission								
	Attend Beach Redevel Advisory Board								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Senior Technician	Field Crew Supervisor	Senior Professional Surveyor	Survey Party (2) Person	Survey Party (3) Person				
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u. to 8 months/reports)									
	Preparation for meetings and monthly progress reports; prepare minutes									
	<i>Note: Meetings in the phase above are combined with SR AIA project</i>									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PHASE II Design Development & CD's(50%, 90%, 100% Plans)									
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases									
	Review/respond to FDOT comments related to state road intersections									
	Landscape & Hardscape Plans									
	Landscape Plans									
	Hardscape Plans									
	Site Furnishings & Details									
	CE Roadway Plans and Design Analysis:									
	Cover Sheet									
	Legend and General Notes									
	Horizontal and Vertical Control Sheet									
	Survey of Existing Conditions, including topographic survey									
	Demolition Plans									
	Sheet Layout									
	Paving, Grading and Drainage									
	Paving, Grading and Drainage Details									
	Stormwater Pollution Prevention Plan (SWPPP)									
	SWPPP Details									
	Traffic Control Plan Concepts									
	Typical Sections									
	Cross Sections									
	Preliminary Temporary Construction Easements									
	Undergrounding Overhead Utilities Plans									
	Utility Trench Details									
	Utility Conflict Matrix Sheets									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Kcith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total
		Senior Technician	Field Crew Supervisor	Senior Professional Surveyor	Survey Party (2) Person	Survey Party (3) Person				
	Utility Coordination Meeting									
	Signing and Pavement Marking Plans									
	Lighting Plans									
	Irrigation Plans									
	Construction Detail									
	SUE Tabulation Sheet									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below:									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering									
	Broward Co Environ Reg Div. Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div. Dewatering									
	Public Meeting Updates									
	Attend City Commission (2 meetings)									
	Attend Beach Redev Advisory Board - (2 meetings)									
	Public Meeting Updates (1 meeting)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)									
	Prepare for monthly progress reports with City Staff									
	Sustainability									
	Update document									
	Opinions of Probable Construction Cost Estimates									
	update OPC									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE III	Bidding Phase Services									
	Project Manual preparation:									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Labor Total	
		Senior Technici an	Field Crew Supervis or	Senior Professi onal Surveyor	Survey Party (2) Person	Survey Party (3) Person					
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD										
	Boilerplate-review & fill in proj info, specs										
	Bid items-Coordinate/provide City with list of bid items										
	Review by City Staff-submit bid document to City for review										
	RFI assistance-Review/respond up to 10 RFIs										
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions										
	Review bids and tabulate them										
	Review for inconsistencies, provide City w/recommendations										
	Attend 2 coord. Meetings with City and 1 with selected contractor										
	Subtotal (Hours)	0	0	0	0	0	0	0	0		\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$6,200
Stage 2 & 3	Development of 15% and 30% Design	\$0
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$6,200

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801	0	\$0
802	0	\$0
803	0	\$0
804	0	\$0
805	0	\$0
805	0	\$0
Total Expenses:		\$0
Total Project:		\$6,200

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)					
		Utility Project Manager	CADD Tec	Designatin	Imperviu os		
PHASE 1							
Stage 1	Recon./Studies/Outreach						
	Project setup - Establish project folder, contracts, procedures						
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.						
	Establish project's schedule, team review, provide to City, revise & update						
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team						
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up						
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)						
	Review of Existing data/Collection of additional base data						
	Review existing data and studies provided by City. Draw utilities in CADD						
	Obtain FDOT record plans and ROW maps & reiew against survey						
	Investigate permit requirements with City, County, State, Federal						
	-visit Agencies, research their records & retrieve info.						
	-review all records and summarize results in a document						
	Perform Complete Streets Design review including, bicycle, ped zone, transit						
	Identify & coordinate transit facilities for ADA compliance (City and County)						
	Conduct ADA review, document all deficiencies; propose improvements						
	Assessment of existing & metered parking impacted by the project						
	Establish design speed limits; prepare technical design criteria						
	Research & coordinate street light fixtures to obtain info and specs						
	Utility Coord-establish contacts & status matrix						
	-Transmit & receive marked up plans, files, review & draw in CAD						
	-Compare info with survey & perform field reiew to confirm, encroachments, sign inventory.						
	Traffic - Meet with City to receive direction on converting Almond to 1 way						
	Geotechnical Investigation Services (ISF)						
	Design Survey Services (K&A)						
	Subsurface Utility Exploration (SUE) Services (K&A)	4	6	0	15		
	Refinement of a site oppourtunities and constraints plan						
	Prepare diagram-present site's oppourtunities, include photo of existing						
	One review meeting with City Staff-discuss document for revision						

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)												
		Utility Project Manager	CADD Tec	Designatin	Imperviu os									
	Public information (combined with SR A1A)													
	Attend 1 City Commission meeting													
	Attend 1 Beach Redevelopment Advisory Board meeting													
	Attend 1 Central Beach Alliance meeting													
	Attend up to 2 Bus. Associations: Chamber, Broward Workshop													
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)													
	Attend up to 2 mtgs with Staff/BRAB													
	Preparation of monthly reports (up to three [3])													
	Subtotal (Hours)	4	6	0	15	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$320	\$480	\$0	\$5,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,200	\$0
Stage 2 & 3														
	Development of 15% and 30% Design													
	Prepare and refine a roadway base map of project, CADD drawing													
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc													
	-Revise typ sections													
	Street Lighting Design- fixtures, photometric analysis, location													
	Landscape & Hardscape Design & Plans													
	Typical Section renderings for Almond, Banyan, Poinsettia													
	Landscape Concept Plans & Schematic Design													
	Hardscape Concept Plans & Schematic Design													
	Site furnishing & details													
	Undergrounding of overhead utility lines:													
	Underground plans for overhead utilities (establish criteria & plans)													
	Coordinate with individual utilities (3 meetings)													
	Coordinate details of underground utility location/easements; analyze impact, separation, UAO's to agree on trench													
	Prepare utility layout in plan view & cross section; review with UAO's													
	Prepare and invite for utility mtg all UAO's to discuss potential impacts & conflicts													

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							
		Utility Project Manager	CADD Tec	Designating	Impervi os				
	Utility Coordination Process for all Agencies:								
	Prepare submittals to UAOs at 15% and 30% submittal phases								
	Prepare and invite for pre-design utility mtg of all UAOs								
	Prepare and invite for conflict resolution utility mtg. of all UAOs								
	Drainage Design								
	Conceptual drainage								
	Review existing drainage patterns-relationship to adjacent properties								
	Review in the field and interview adjacent property owners								
	Document stormwater design requirements								
	Prepare stormwater quantity and quality calculations								
	Las Olas Intersection								
	Develop intersection of Almond Ave with Las Olas Blvd								
	Consider paving material options at corners and crossings								
	Design intersection for off-peak closures allow ped and bike traffic								
	Electrical Services to Lights & Irrigation Controllers								
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages								
	Survey of existing conditions including topographic								
	Cover Sheet								
	Project sheet layout								
	Legend & General Notes								
	Horizontal and vertical control sheet								
	Demolition Plans								
	Roadway Typical Sections								
	Paving, Grading and Drainage Plans								
	Paving, Grading and Drainage Details								
	Roadway Cross Sections								
	Plans for Undergrounding of Overhead Utilities								
	Utility Trench Details								
	Lighting Photometric layout plan								
	Lighting Plans (N/A)								
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)								
	Traffic Control Plan (Concepts)								
	Preliminary Temporary Construction Easements/Encroachments								
	Conceptual Irrigation Memo								
	Construction Details								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)																			
		Utility Project Manager	CADD Tec	Designatin	Imperviu os																
	SUE Tabulation Sheet																				
	Review & revise Plans based on City review comments																				
	Engineering Permitting Coordination																				
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)																				
	SFWM and dewatering																				
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage																				
	Broward Co Environ Reg Div, Dewatering																				
	City of Ft. Lauderdale Engineering																				
	Opinions of Probable Construction Cost Estimates																				
	Prepare OPC																				
	Right of Way and Easements																				
	Identify preliminary constr easement needs																				
	Sustainability																				
	Review opportunities and alternatives (Memo incl. update)																				
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City																				
	Plan revision																				
	City Staff and Consultant review of public input (combined with SR AIA)																				
	Preparation for and participate in 1 meeting with City staff																				
	Preparation of meeting notes from meeting																				
	Public Meetings / Updates (up to 2 meetings) (combined with SR AIA)																				
	Attend City Commission																				
	Attend Beach Redev Advisory Board																				
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u to 8 months/reports)																				
	Preparation for meetings and monthly progress reports; prepare minutes																				
	<i>Note: Meetings in the phase above are combined with SR AIA project</i>																				
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							
		Utility Project Manager	CADD Tec	Designatin	Imperviu os				
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)								
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases								
	Review/respond to FDOT comments related to state road intersections								
	CE Roadway Plans and Design Analysis:								
	Cover Sheet								
	Legend and General Notes								
	Horizontal and Vertical Control Sheet								
	Survey of Existing Conditions, including topographic survey								
	Demolition Plans								
	Sheet Layout								
	Paving, Grading and Drainage								
	Paving, Grading and Drainage Details								
	Stormwater Pollution Prevention Plan (SWPPP)								
	SWPPP Details								
	Traffic Control Plan Concepts								
	Typical Sections								
	Cross Sections								
	Preliminary Temporary Construction Easements								
	Undergrounding Overhead Utilities Plans								
	Utility Trench Details								
	Utility Conflict Matrix Sheets								
	Utility Coordination Meeting								
	Signing and Pavement Marking Plans								
	Lighting Plans								
	Irrigation Plans								
	Construction Detail								
	SUE Tabulation Sheet								
	Draft & Final Specifications								
	Permit Packages & RAI's								
	Address final comments from permitting agencies below:								
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)								
	SFWMD ERP and dewatering								
	City of Ft. Lauderdale Engineering								
	Broward Co Environ Reg Div. Environ Resource Permit -- Drainage								
	Broward Co Environ Reg Div. Dewatering								

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Keith & Associates

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)											
		Utility Project Manager	CADD Tec	Designatin	Imperviu os								
	Public Meeting Updates												
	Attend City Commission (2 meetings)												
	Attend Beach Redev Advisory Board - (2 meetings)												
	Public Meeting Updates (1 meeting)												
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)												
	Prepare for monthly progress reports with City Staff												
	Sustainability												
	Update document												
	Opinions of Probable Construction Cost Estimates												
	update OPC												
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE III	Bidding Phase Services												
	Project Manual preparation:												
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD												
	Boilerplate-review & fill in proj info, specs												
	Bid items-Coordinate/provide City with list of bid items												
	Review by City Staff-submit bid document to City for review												
	RFI assistance-Review/respond up to 10 RFIs												
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions												
	Review bids and tabulate them												
	Review for inconsistencies, provide City w/recommendations												
	Attend 2 coord. Meetings with City and 1 with selected contractor												
	Subtotal (Hours)	0	0	0	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT 2 - COST DETAILS

PROJECT FEES

Project Name: Almond Ave Improvements
Project Number: 0
Date Prepared: 1/13/2014 Rev 2/10/14
Estimated By: Tierra

Labor Tasks:		Estimated Effort Req'd
Stage 1	Recon./Studies/Outreach	\$5,305
Stage 2 & 3	Development of 15% and 30% Design	\$0
PHASE II	Design Development & CD's(50%, 90%, 100% Plans)	\$0
PHASE III	Bidding Phase Services	\$0
Total Labor:		\$5,305

Expense Tasks:		
700	Direct Expenses Allowance	\$0
701		
801	Geotechnical Field Testing	\$5,182.07
802		\$0
803		\$0
804		\$0
805		\$0
805		\$0
Total Expenses:		\$5,182.07
Total Project:		\$10,487.07

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Engr	Project Eng	Senior Eng Tech	CADD/ Comp Tech			
PHASE I										
Stage 1	Recon./Studies/Outreach									
	Project setup - Establish project folder, contracts, procedures									
	Team kick-off - Hold team meeting to discuss procedures, QC, etc.									
	Establish project's schedule, team review, provide to City, revise & update									
	Coord. & review info from City and CRA of existing studies/base info, catalog & distribute to team									
	Project kick-off meeting with City Staff-coordinate date/agenda, prep. Minutes, action items follow up									
	Follow-up staff meeting(s) with City include minutes, follow up (2 meetings)									
	Review of Existing data/Collection of additional base data									
	Review existing data and studies provided by City. Draw utilities in CADD									
	Obtain FDOT record plans and ROW maps & review against survey									
	Investigate permit requirements with City, County, State, Federal									
	-visit Agencies, research their records & retrieve info.									
	-review all records and summarize results in a document									
	Perform Complete Streets Design review including, bicycle, ped zone, transit									
	Identify & coordinate transit facilities for ADA compliance (City and County)									
	Conduct ADA review, document all deficiencies; propose improvements									
	Assessment of existing & metered parking impacted by the project									
	Establish design speed limits; prepare technical design criteria									
	Research & coordinate street light fixtures to obtain info and specs									
	Utility Coord-establish contacts & status matrix									
	-Transmit & receive marked up plans, files, review & draw in CAD									
	-Compare info with survey & perform field reivev to confirm, encroachments, sign inventory,									
	Traffic - Meet with City to receive direction on converting Almond to 1 way									
	Geotechnical Investigation Services (ISF)	2	2	8	24	12	5			
	Design Survey Services (K&A)									
	Subsurface Utility Exploration (SUE) Services (K&A)									
	Refinement of a site opportunities and constraints plan									
	Prepare diagram-present site's opportunities, include photo of existing									
	One review meeting with City Staff-discuss document for revision									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)									Labor Total
		PM	Principal Engr	Senior Engr	Project Eng	Senior Eng Tech	CADD/ Comp Tech	Support Staff			
	Public information (combined with SR A1A)										
	Attend 1 City Commission meeting										
	Attend 1 Beach Redevelopment Advisory Board meeting										
	Attend 1 Central Beach Alliance meeting										
	Attend up to 2 Bus. Associations Chamber, Broward Workshop										
	Progress discussions / meetings with staff / BRAB meeting attendance (combined with SR A1A)										
	Attend up to 2 mtgs with Staff/ BRAB										
	Preparation of monthly reports (up to three [3])										
	Subtotal (Hours)	2	2	8	24	12	5	0	0		\$0
	Task Total (Dollars)	\$330	\$300	\$1,000	\$2,400	\$900	\$375	\$0	\$0	\$5,305	\$0
	Stage 2 & 3										
	Development of 15% and 30% Design										
	Prepare and refine a roadway base map of project, CADD drawing										
	Roadway Design Analysis-Alt typ sections, curb, utility, access, develop plan, profile, preliminary cross sections, etc										
	-Revise typ sections										
	Street Lighting Design- fixtures, photometric analysis, location										
	Landscape & Hardscape Design & Plans										
	Typical Section renderings for Almond, Banyan, Poinsettia										
	Landscape Concept Plans & Schematic Design										
	Hardscape Concept Plans & Schematic Design										
	Site furnishing & details										
	Undergrounding of overhead utility lines:										
	Underground plans for overhead utilities (establish criteria & plans)										
	Coordinate with individual utilities (3 meetings)										
	Coordinate details of underground utility location/easements; analyze impact, separation; UAO's to agree on trench										
	Prepare utility layout in plan view & cross section; review with UAO's										
	Prepare and invite for utility mtg all UAOs to discuss potential impacts & conflicts										
	Utility Coordination Process for all Agencies:										
	Prepare submittals to UAOs at 15% and 30% submittal phases										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
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 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)								Support Staff	Labor Total
		PM	Principal Engr	Senior Engr	Project Eng.	Senior Eng Tech	CADD/ Comp Tech				
	Prepare and invite for pre-design utility mtg of all UAOs										
	Prepare and invite for conflict resolution utility mtg. of all UAOs										
	Drainage Design										
	Conceptual drainage										
	Review existing drainage patterns-relationship to adjacent properties										
	Review in the field and interview adjacent property owners										
	Document stormwater design requirements										
	Prepare stormwater quantity and quality calculations										
	Las Olas Intersection										
	Develop intersection of Almond Ave with Las Olas Blvd										
	Consider paving material options at corners and crossings										
	Design intersection for off-peak closures-allow ped and bike traffic										
	Electrical Services to Lights & Irrigation Controllers										
	Prepare and submit Preliminary (15% & 30%) CE plans drawing packages										
	Survey of existing conditions including topographic										
	Cover Sheet										
	Project sheet layout										
	Legend & General Notes										
	Horizontal and vertical control sheet										
	Demolition Plans										
	Roadway Typical Sections										
	Paving, Grading and Drainage Plans										
	Paving, Grading and Drainage Details										
	Roadway Cross Sections										
	Plans for Undergrounding of Overhead Utilities										
	Utility Trench Details										
	Lighting Photometric layout plan										
	Lighting Plans (N/A)										
	Stormwater Pollution Prevention Plan (SWPPP) (N/A)										
	Traffic Control Plan (Concepts)										
	Preliminary Temporary Construction Easements/Encroachments										
	Conceptual Irrigation Memo										
	Construction Details										
	SUE Tabulation Sheet										
	Review & revise Plans based on City review comments										
	Engineering Permitting Coordination										
	FDOT (Design, Traffic, Modal Dev, ROW and permits office)										

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Engr	Project Eng	Senior Eng Tech	CADD/ Comp Tech			
	SFWMD and dewatering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	City of Ft. Lauderdale Engineering									
	Opinions of Probable Construction Cost Estimates									
	Prepare OPC									
	Right of Way and Easements									
	Identify preliminary constr easement needs									
	Sustainability									
	Review opportunities and alternatives (Memo incl. update)									
	Refine Preliminary Concept Plans and photo-realistic renderings, based on public input for confirmation by City									
	Plan revision									
	City Staff and Consultant review of public input (combined with SR A1A)									
	Preparation for and participate in 1 meeting with City staff									
	Preparation of meeting notes from meeting									
	Public Meetings / Updates (up to 2 meetings) (combined with SR A1A)									
	Attend City Commission									
	Attend Beach Redev Advisory Board									
	Project Administration/Preparation of Project Progress Reports and Coordination with City Staff (u to 8 months/reports)									
	Preparation for meetings and monthly progress reports; prepare minutes									
	<i>Note: Meetings in the phase above are combined with SR A1A project</i>									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PHASE II Design Development & CD's(50%, 90%, 100% Plans)									
	Review and address City comments, meet to resolve comments for 30%, 50% & 90% phases									
	Review/respond to FDOT comments related to state road intersections									
	Landscape & Hardscape Plans									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Engr	Project Eng	Senior Eng Tech	CADD/ Comp Tech			
	Landscape Plans									
	Hardscape Plans									
	Site Furnishings & Details									
	CE Roadway Plans and Design Analysis:									
	Cover Sheet									
	Legend and General Notes									
	Horizontal and Vertical Control Sheet									
	Survey of Existing Conditions, including topographic survey									
	Demolition Plans									
	Sheet Layout									
	Paving, Grading and Drainage									
	Paving, Grading and Drainage Details									
	Stormwater Pollution Prevention Plan (SWPPP)									
	SWPPP Details									
	Traffic Control Plan Concepts									
	Typical Sections									
	Cross Sections									
	Preliminary Temporary Construction Easements									
	Undergrounding Overhead Utilities Plans									
	Utility Trench Details									
	Utility Conflict Matrix Sheets									
	Utility Coordination Meeting									
	Signing and Pavement Marking Plans									
	Lighting Plans									
	Irrigation Plans									
	Construction Detail									
	SUE Tabulation Sheet									
	Draft & Final Specifications									
	Permit Packages & RAI's									
	Address final comments from permitting agencies below:									
	FDOT (Design, Traffic, Modal Dev., ROW and permits offices)									
	SFWMD ERP and dewatering									
	City of Ft. Lauderdale Engineering									
	Broward Co Environ Reg Div, Environ Resource Permit - Drainage									
	Broward Co Environ Reg Div, Dewatering									
	Public Meeting Updates									
	Attend City Commission (2 meetings)									

EXHIBIT 2 - COST DETAILS

PROJECT WORK PLAN PERSON-HOUR ESTIMATE

Project Name: Almond Ave Improvements
 Project Number: 0
 Date Prepared: 1/13/2014 Rev 2/10/14
 Estimated By: Tierra

Estimated Project Duration:
 Design, Permitting, & Bidding: months
 Construction: months
 Total: months

Task # Subtask ID Number	Task Name Subtask Name/Description	Direct Labor (Person-Hours)							Support Staff	Labor Total
		PM	Principal Engr	Senior Engr	Project Eng	Senior Eng Tech	CADD/ Comp Tech			
	Attend Beach Redev Advisory Board - (2 meetings)									
	Public Meeting Updates (1 meeting)									
	Project Administration / Preparation of Project Progress Reports and Coordination with City Staff (up to 6 months)									
	Prepare for monthly progress reports with City Staff									
	Sustainability									
	Update document									
	Opinions of Probable Construction Cost Estimates									
	update OPC									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PHASE III	Bidding Phase Services									
	Project Manual preparation:									
	Submit final bid plans in pdf to City; provide sets of 11 x 17/CD/DVD									
	Boilerplate-review & fill in proj info, specs									
	Bid items-Coordinate/provide City with list of bid items									
	Review by City Staff-submit bid document to City for review									
	RFI assistance-Review/respond up to 10 RFIs									
	Pre-bid Meeting-attend 1 mtg with City staff to answer questions									
	Review bids and tabulate them									
	Review for inconsistencies, provide City w/recommendations									
	Attend 2 coord. Meetings with City and 1 with selected contractor									
	Subtotal (Hours)	0	0	0	0	0	0	0	0	\$0
	Task Total (Dollars)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EXHIBIT "C"

**HOURLY BILLING RATES FOR CONTRACT AND TASK ORDERS FOR
ADDITIONAL SERVICES**

Salary and Billing Rates for Kimley-Horn and Associates, Inc.

Employee Category	Hourly Salary Rates
Principal/Project Manager	\$210
Principal Traffic Engineer	\$205
Principal Electrical/Lighting/Signal Engineer	\$205
Senior Professional/Sr. Specialist	\$180
Professional/Senior Designer	\$145
Engineer (E.I. up to 4 yrs. experience)	\$113
Support Staff	\$50

Salary and Billing Rates for Keith & Associates, Inc.

Employee Category	Hourly Salary Rates
Administrative Assistant	\$50
CADD Technician	\$80
Senior Technician	\$90
Principal	\$200
GIS Specialist	\$85
Project Surveyor	\$95

Salary and Billing Rates for Keith & Associates, Inc. Cont.

Senior Project Surveyor	\$110
Professional Surveyor & Mapper (PSM)	\$120
Survey Party (2) Person	\$95
Survey Party (3) Person	\$125
Survey Party (4) Person	\$150
Survey Party w/Watercraft	\$160
Utility Crew Supervisor	\$70
Utility Locating Technician	\$60
Utility Project Manager	\$80
Utility Project Engineer	\$100
Utility CADD Technician	\$80
Utility Field Technician	\$40
Utility Designating/GPR (2) Person	\$170
Utility Locating (3) Person	\$210
Vacuum Excavation Test Hole (Pervious Surface)	\$280
Vacuum Excavation Test Hole (Impervious Surface)	\$360

Salary and Billing Rates for Dickey Consulting Services, Inc.

Employee Category	Hourly Salary Rates
Project Director	\$190
Project Manager	\$150

Senior Inspector	\$100.72
Dickey Consulting (Cont.)	
Document Control Specialist	\$75
Senior Project Coordinator	75
Project Coordinator	\$65
Administrative Assistant	\$60
Clerk	\$50

Salary and Billing Rates for C.M.S.-Construction Management Services, Inc.

Employee Category	Hourly Salary Rates
Principal	\$185.91
Chief Estimator/Scheduler	\$108.07
Senior Estimator	\$95
Estimator	\$81.06

Salary and Billing Rates for EDSA, Inc.

Employee Category	Hourly Salary Rates
Principal	\$210
Associate Principal	\$190
Vice President	\$180
Senior Associate	\$150
Associate	\$120
Designer	\$100
Intern	\$50
Administrative Assistant	\$50

Salary and Billing Rates for Johnson, Avedano, Lopez, Rodriguez & Walewski Engineering Group, Inc. (JALRW)

Employee Category	Hourly Salary Rates
Principal	\$145
Project Manager	\$135
Project Engineer	\$125
Project Designer	\$105
CAD Technician	\$75
Administrative Support	\$65

Salary and Billing Rates for ACAI Associates, Inc.

Employee Category	Hourly Salary Rates
Project Principal	\$200
Chief Consulting Architect	\$150
Senior Architect / Landscape Architect	\$125
Lead Technical Spec. Writer / LEED AP	\$125
Project Manager / BIM Project Manager	\$150
Staff Architect / BIM Coordinator	\$115
Staff Professional / BIM Modeler	\$85
CADD/BIM Technician	\$65
Clerical	\$50

Salary and Billing Rates for S & F Engineers, Inc.

Employee Category	Hourly Salary Rates
Project Principal	\$200
Senior Engineer	\$160
Project Manager	\$145
Project Engineer	\$120
BIM Technician	\$90
Senior CADD Technician	\$80
Inspector	\$80
Clerical	\$50

Salary and Billing Rates for Tierra South Florida, Inc.

Employee Category	Hourly Salary Rates
Project Manager	\$165
Principal Engineer	\$150
Senior Engineer	\$125
Project Engineer	\$100
Senior Technician	\$75
CADD	\$75

- END OF EXHIBIT 'C' -