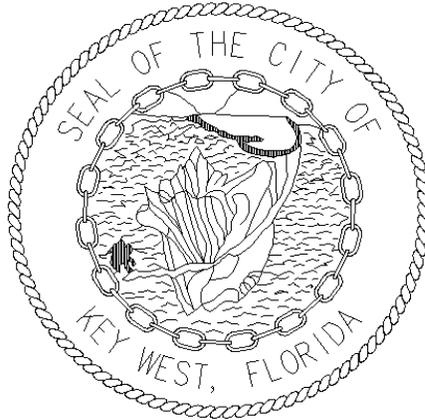


CONTRACT DOCUMENTS FOR:



CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT

ITB 15 - 009

MAYOR: CRAIG CATES

COMMISSIONERS:

TERRI JOHNSTON

BILLY WARDLOW

JIMMY WEEKLEY

MARK ROSSI

CLAYTON LOPEZ

TONY YANIZ

PREPARED BY:
ENGINEERING SERVICES

COPY NO: _____

ITB # 15-009

FOR

CITY MARINA @ GARRISON BIGHT
RAILING REPLACEMENT

CONSISTING OF:

BIDDING REQUIREMENTS
CONTRACT FORMS
CONDITIONS
SCOPE OF WORK

PREPARED BY:

THE CITY OF KEY WEST
KEY WEST, FLORIDA

MARCH 2015

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PART 1

BIDDING REQUIREMENTS

INVITATION TO BID

Sealed Bids addressed to the City of Key West (CITY), for Invitation to Bid (ITB) # 15-009 CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT will be received at the office of the Clerk of the City of Key West at 3126 Flagler Ave, Key West, Florida 33040, until 3:30 p.m., local time, on 13th of May 15 and then will be publicly opened and read. Any Bids received after the time and date specified will not be considered.

The project contemplated consists of providing all materials, equipment and labor necessary to accomplish the following:

Replacement of approximately 1,300 feet of concrete railing with Florida Department of Transportation (FDOT) railing with Type I - picket infill panel at the CITY MARINA @ GARRISON BIGHT, 1801 North Roosevelt Boulevard. Replacement will include removal and disposal of existing concrete railings, concrete repair, railing installation and cleat installation.

One (1) original and two (2) USB drives in PDF format of the Bid are to be submitted in two sealed envelopes, one within the other, clearly marked on the outside "ITB #15-009: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT", and addressed to the City Clerk at the above address.

Drawings and Specifications may be obtained from Demand Star by Onvia. Please contact Demand Star at www.demandstar.com or call 1-800-711-1712 and the City of Key West website at www.cityofkeywest-fl.gov.

There will be a mandatory pre-bid meeting on, May 4, 2015, at 1:00 P.M. local time at the City Marina, 1801 North Roosevelt Blvd., Key West, Florida.

EACH BID MUST BE SUBMITTED ON THE PRESCRIBED FORM AND ACCOMPANIED BY BID SECURITY AS PRESCRIBED IN THE INSTRUCTIONS TO BIDDERS, PAYABLE TO THE CITY OF KEY WEST, FLORIDA, IN AN AMOUNT NOT LESS THAN FIVE (5) PERCENT OF THE AMOUNT BID.

The successful Bidder will be required to furnish the necessary additional bond(s) for the faithful performance of the Contract, as Prescribed in the Bidding Documents. Within 10 days after the Notice of Award, the successful Bidder will also be required to furnish documentation showing that he is in compliance with the licensing requirements of the state and that the Provisions of Chapter 66 of the Code of Ordinances of the City of Key West. Compliance with these Provisions is required before the Contractor can enter into the agreement contained in the Contract Documents.

THE BIDDER MUST BE A LICENSED CONTRACTOR BY THE STATE OF FLORIDA AND SUBMIT PROOF OF SUCH WITH THE BID.

Specifically within 10 days the following the Notice of Award the successful bidder must demonstrate that he holds at a minimum, the following licenses & certificates;

- A. City of Key West Business Tax License Receipt
- B. A valid Certificate of Competency issued by the Chief Building Official of Key West

All bid bonds, contract bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or Insurance Company having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of Florida. Further, the said Surety or Insurance Company shall be duly licensed and qualified to do business in the State of Florida.

Before a Contract will be awarded for the work contemplated herein, the OWNER will conduct such investigation as is necessary to determine the performance record and ability of the apparent low Bidder to perform the size and type of work specified under this Contract. Upon request, the Bidder shall submit such information as deemed necessary by the OWNER to evaluate the Bidder's qualifications.

For information concerning the proposed work or for an appointment to visit the site of the proposed work, contact Janet Muccino, Project Manager, @ (305) 809-3867.

At the time of the award, the successful Bidder must show satisfactory document of such State, County and City licenses as would be required. Any permit and/or license requirement and subsequent costs are located within the bid documents. The successful Bidder must also be able to satisfy the City Attorney as to such insurance coverage and legal requirements as may be demanded in Bid. The City may reject bids: (1) for budgetary reasons, (2) if the bidder misstates or conceals a material fact in its bid, (3) if the bid does not strictly conform to the law or is non-responsive to the bid requirements, (4) if the bid is conditional, (5) if a change of circumstances occurs making the purpose of the bid unnecessary, (6) or if such rejection is in the best interest of the City. The City may also waive any minor formalities or irregularities in any bid.

Dated this _____ day of, _____ 2015.

CITY OF KEY WEST

By: _____
James Scholl, City Manager

INSTRUCTIONS TO BIDDERS

1. CONTRACT DOCUMENTS

FORMAT

The Contract Documents are divided into parts, divisions, and sections for convenient organization and reference. Generally, there has been no attempt to divide the Specification sections into work performed by the various building trades, work by separate subcontractors, or work required for separate facilities in the project.

The intent of the Documents is to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any work, materials, or equipment that may reasonably be inferred from the Contract Documents, as being required to produce the intended result shall be supplied whether or not specifically called for.

DOCUMENT INTERPRETATION

The separate sections contained within these Contract Documents are intended to be mutually cooperative and to provide all details reasonably required for the execution of the proposed work.

Should there be any doubt as to the meaning or intent of said Contract Documents, the Bidder should request of the Project Manager, in writing, at least ten (10) calendar days prior to the Bid opening, an interpretation thereof. Any interpretation or change in said Contract Documents will be made only in writing, in the form of addenda to the Documents which will be furnished through Demand Star and the City's website to all registered holders of the Contract Documents. Bidders shall submit with their Bids, or indicate receipt of, all Addenda. The Owner will not be responsible for any other explanation or interpretations of said Documents.

2. DESCRIPTION OF THE PROJECT

The work to be completed for this project can be found in the Summary of Work in Part 4. The Bidder will be required to complete all work as specified.

3. QUALIFICATION OF CONTRACTORS

Bidders must hold all licenses, certifications, registrations or competency cards required by Florida Statute and local ordinances in order to perform the work specified herein.

4. BIDDER'S UNDERSTANDING

Each Bidder must inform him/herself of the conditions relating to the execution of the work, and it is required that he/she will inspect the site(s) and make himself/herself thoroughly familiar with the Bid Documents. Failure to do so will not relieve the successful Bidder of his/her obligation to enter into a Contract and complete the contemplated work in strict accordance with the Bid Documents. It shall be the Bidder's obligation to verify

for himself and to his complete satisfaction all information concerning site and construction or worksite conditions.

The Owner will make available to prospective Bidders upon request and at the office of the City Marina, prior to Bid opening, any information that he/she may have as to conditions at the worksites.

Copies of any existing documents regarding the work sites can be viewed at the City Marina at CITY MARINA @ GARRISON BIGHT, 1801 North Roosevelt Boulevard, and any that are made available shall not be considered a part of the Contract Documents, said documents are made available only for the convenience of the Bidders.

Information derived from Drawings showing location of utilities and structures will not in any way relieve the contractor from any risk, or from properly examining the site and making such additional investigations as he/she may elect, or from properly fulfilling all the terms of the Contract Documents.

Each Bidder shall inform him/herself of, and the Bidder awarded a Contract shall comply with, federal, state, and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning minimum wage rates, nondiscrimination in the employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects. Performance and Payment Bonds are not required as part of this contract.

5. TYPE OF BID

A. LUMP SUM

The Bid for the work is to be submitted on a LUMP SUM basis. A Schedule of Values shall be included with the Bid.

B. PREPARATION OF BIDS

GENERAL

All blank spaces in the Bid form must be filled in, as required, in BLACK INK or TYPED. All price information will be shown in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in case of discrepancy between amounts stated in writing and the amounts stated in figures.

Any Bid shall be deemed informal, which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published ITB.

Only one (1) Bid from any individual, firm, partnership, or corporation under the same or different names, will be considered. Should it appear to the Owner that any Bidder is

interested in more than one (1) Bid for work contemplated, all Bids in which such Bidder is interested will be rejected.

SIGNATURE

The Bidder shall sign his/her Bid in the blank space provided therefore. If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If the Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign Contracts on behalf of the partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a notarized power of attorney must be on file with the Owner prior to opening of Bids or submitted with the Bid, otherwise the Bid will be regarded as not properly authorized.

SPECIAL BIDDING REQUIREMENTS

The Bidder's attention is brought to the hiring practices and licenses and permits of the City of Key West. These are defined in the addition to Article 39, CODES, ORDINANCES, PERMITS, and LICENSES.

The Bidder shall submit with his Bid his experience record showing his experience and expertise in related work. Such experience record shall provide at least five current or recent projects of similar work (within the past five (5) years) within Florida and preferably Monroe County. For each project the following information shall be provided:

1. Description and location of work.
2. Contract amount.
3. Dates work was performed.
4. OWNER.
5. Name of OWNER's contact person and phone number.
6. ENGINEER.
7. Name of ENGINEER's contact person and phone number.

ATTACHMENTS

Bidder shall complete and submit the following forms with his Bid or as otherwise identified in the Bid document:

1. Bid Form including Detailed Schedule of Values
2. Florida Bid Bond
3. Public Entities Crime Form
4. Anti – Kickback Affidavit
5. City of Key West Indemnification
6. Local Vendor Certification
7. Equal Benefits Affidavit
8. Cone of Silence

7. STATE AND LOCAL SALES AND USE TAX

The Owner is exempt from state sales tax on materials incorporated into the work due to the qualification of the work under this Contract, the Contractor, as required by the laws and statutes of the state and its political subdivisions shall pay all state and local sales and use taxes unless stated differently in these documents. Prices quoted in the Bid shall include all nonexempt sales and use taxes, unless provision is made in the Bid form to separately itemize the tax.

8. SUBMISSION OF BIDS

All Bids must be submitted not later than the time prescribed, at the place, and in the manner set forth in the ITB. Bids must be made on the Bid forms provided herewith.

Each Bid must be submitted in two sealed envelopes, one within the other, so marked as to indicate the Bidder's name and its contents without being opened, and addressed in conformance with the instructions in the ITB. One (1) original and two (2) USB drives are required.

9. MODIFICATIONS OR WITHDRAWAL OF BIDS

Prior to the time and date designated for receipt of Bids, any Bid submitted may be modified or withdrawn by notice to the party receiving Bids at the place designated for the receipt of Bids. Such notice shall be in writing over the signature of the Bidder or by telephone, fax, or email. If by telephone, fax, or email, written confirmation over the signature of the Bidder shall be mailed and postmarked on or before the date and time set for receipt of Bids, and it shall be so worded as not to reveal the amount of the original Bid. No Bid may be withdrawn after the time scheduled for the opening of Bids, unless the time specified in paragraph 12, AWARD OF CONTRACT, in these Instructions to Bidders shall have elapsed.

10. BID SECURITY

Proposals must be accompanied by cash, a certified check, or cashier's check drawn on a bank in good standing or a bid bond issued by a Surety authorized to issue such bonds in the state where the work is located in the amount of 5 percent of the total amount of the Proposal submitted. This bid security shall be given as a guarantee that the Bidder will not withdraw his Proposal for a period of 60 days after bid opening and that if awarded the Contract the successful Bidder will execute the attached Contract and furnish properly executed Performance and Payment Bonds, each in the full amount of the Contract price within the time specified.

The Attorney-in-Fact that executes this bond in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond. Where State Statute requires, certification by a resident agent shall also be provided.

11. RETURN OF BID SECURITY

Within fifteen (15) days after the award of the Contract or at the discretion of the Project Manager, the Owner will return the Bid securities to all Bidders who's Bids are not to be further considered in awarding the Contract. Retained Bid securities will be held until the Contract has been finally executed, after which all Bid securities, other than Bidder's Bonds and any guarantees which have been forfeited, will be returned to the respective Bidders whose Bids they accompanied.

12. AWARD OF CONTRACT

Within sixty (60) calendar days after the opening of the Bids, the Owner will accept one of the Bids or will act in accordance with the following paragraphs. The acceptance of the Bid will be by written notice of award, mailed to the office designated in the Bid, or delivered to the Bidder's representative. In the event of failure of the lowest, responsive, qualified Bidder to sign the Contract and provide acceptable insurance certificate(s), the Owner may award the Contract to the next lowest, responsive, qualified Bidder. Such award, if made, will be made within ninety (90) days after the opening of the Bids.

Bid Award will be the date of the Notice of Award letter. Any permit and/or license requirement and subsequent costs are located within the documents. The successful Bidder must also be able to satisfy the City Attorney as to such insurance coverage and legal requirements as may be demanded by the Bid in question. The Owner reserves the right to reject any and/or all Bids because of irregularities or due to budgetary considerations, to waive irregularities or informalities in any or all Bids, and to accept any Bid that the City deems to be in the best interest of the Owner.

13. BASIS OF AWARD

The Owner on the basis of that Bid will make the award on base bid or a combination of base bid and alternate bids from the lowest, responsive, qualified Bidder that in the Owner's sole and absolute judgment will serve the best interests of the Owner.

If at the time this Contract is to be awarded, the total of the lowest acceptable Bid exceeds the funds then estimated by the Owner as available, the Owner may reject all Bids or take such other action as best serves the Owner's interest.

14. EXECUTION OF CONTRACT

The successful Bidder shall, within ten (10) working days after receiving notice of award, sign and deliver to the Owner the Contract together with the acceptable insurance certificates as required in these Documents. Within ten (10) working days after receiving the signed Contract, with acceptable insurance from the successful Bidder, the Owner's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract.

15. FAILURE TO EXECUTE CONTRACT AND FURNISH BONDS

The Bidder who has a contract awarded to him/her and who fails to promptly and properly execute the contract shall forfeit the Bid security that accompanied his Bid, and the Bid security shall be retained as liquidated damages by the Owner, and it is agreed that said sum is a fair estimate of the amount of the damages the Owner will sustain in case the Bidder fails to enter into a Contract or furnish the required bonds. Bid security deposited in the form of cash, a certified check, or cashier's check shall be subject to the same requirements as a Bid Bond. Performance and Payment Bonds in an amount equal to 100% of contract value will be required as part of this contract.

16. TIME OF COMPLETION

The Bidder further agrees to begin work within fourteen (14) calendar days after the date of the Notice to Proceed and to complete the construction of all items in the lump sum base Bid, in all aspects, for this particular project, within one hundred twenty (120) calendar days after the date of the Notice to Proceed complete the project.

17. PAYMENT TERMS

The Contractor will bill the City on a monthly basis. Terms of payment will be a maximum of 45 days from receipt of invoice. The Contractor may bill the City on a more frequent basis if agreed upon by the Project Manager. The Contractor may also bill the City for materials on site once proof of delivery and storage is provided.

18. LICENSES, PERMITS, AND FEES

The Contractor is responsible for identifying, obtaining and paying for all licenses and permits from Federal, State, and Local agencies required to perform the work as stated in the sections of this Bid document.

CITY OF KEY WEST LICENSES, PERMITS, AND FEES

Pursuant to the Public Bid Disclosure Act, each license, permit, or fee a Contractor will have to pay the City of Key West before or during construction or the percentage method or unit method of all licenses, permits, and fees **REQUIRED BY THE CITY OF KEY WEST** and payable to the City by virtue of this construction as part of the Contract is as follows:

- Key West, Business Tax Receipt – CGC or CBC: Fees not to exceed \$309.75
- Building Contractors License
- Building/Demolition Permit

Note: Contractor shall verify each license, permit, or fee before submitting the Bid.

LICENSES, PERMITS, AND FEES THAT MAY BE REQUIRED BY THE STATE OF FLORIDA, STATE AGENCIES, OR BY OTHER LOCAL GOVERNMENTAL ENTITIES ARE NOT INCLUDED IN THE ABOVE LIST.

Notice to Bidder: Use Black Ink or Type For Completing the Form.

BID PROPOSAL

To: The City of Key West
Address: 3126 Flagler Ave, Key West, Florida 33040
Project Title: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT
Project: ITB #15-009

Bidder's contact person for additional information on this Proposal:

Company Name: _____

Contact Name & Telephone #: _____

Email Address: _____

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal.

CONTRACT EXECUTION AND BONDS

The Bidder agrees that if this Proposal is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner examples of the Performance Bond and Payment Bond required herein, and evidence of holding required licenses and certificates, and will, to the extent of his Proposal, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

All contractors and subcontractors wishing to perform work for the City of Key West, Florida, will be required to comply with the following minimum insurance requirements:

Commercial General Liability Limits:	\$2,000,000 Aggregate \$1,000,000 Each Occurrence \$2,000,000 Products-Comp / Op Aggregate \$1,000,000 Personal Injury \$300,000 Fire Damage / Legal
--------------------------------------	--

Coverage must include the following:

- | | |
|-----------------------------------|--|
| - Contractual Liability | - Commercial Form |
| - CG2010 (1185) or Equivalent | - Broad Form Property Damage |
| - No exclusion for XCU | - Premises / Operations |
| - Products / Completed Operations | - Independent Contractors (if any part of the work is to be subcontracted out) |
| - Personal Injury | |

Automobile Liability:	\$1,000,000 Combined Single Limit (Include Hired & Non-Owned Liability)
-----------------------	--

Additional Umbrella Liability:	\$2,000,000 Occurrence / Aggregate
--------------------------------	------------------------------------

Worker's Compensation:	Statutory
Employer's Liability:	\$1,000,000 Each Accident \$1,000,000 Disease-Policy Limit \$1,000,000 Disease-Each Employee

The Contractor will be required to provide Builders Risk insurance for the completed value of the project.

The above reflects the minimum requirements for working with the City of Key West. Any requirements found in a particular job's contract that are of a higher standard will prevail.

The City of Key West must be named as an additional insured under all policies other than worker's compensation. Contractor's or subcontractor's general liability shall be written on a primary and non-contributory basis. Certificates of insurance must be accompanied by a copy of the additional insured endorsement (CG 20101185 or combination of CG20100704 and CG20370704 will be accepted).

Contractors and subcontractors must obtain an endorsement from their carrier that waives and relinquishes any right of subrogation against the City of Key West and its agents, representatives, employees, and affiliates they might possess for any policy of insurance provided under this requirement or under any state or federal worker's compensation or employer's liability act.

Contractor's policies must be endorsed to give no less than thirty (30) day notice to the City in the event of material change or cancellation.

The City of Key West must be given a certificate of insurance showing that the above requirements have been met. The certificate of insurance must remain current and must include copies of the requested endorsements (additional insured, cancellation notice, and waiver of subrogation) in order for the City to issue payments to the contractor or subcontractor.

BID FORM

ITB #15-009: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT

LUMP SUM BASE BID PRICE

\$ _____

Bid Total in Words

BREAKDOWN*

The Bidder shall provide a schedule of values with their bid for all aspects of the project including mobilization/demobilization, labor and materials, permitting, etc. required or to be used for the project. The schedule of values shall be in sufficient detail to allow the owner to understand how the Bidder arrived at said Base Bid price and shall become part of the contract for basis of payment. The City may ask for a more detailed schedule of values if one submitted is not sufficient.

NOTE: THE TOTAL LUMP SUM BASE BID WILL BE THE BASIS OF EVALUATING THE LOW BIDDER AND BASIS OF AWARD

SUBCONTRACTORS

The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work in the event that the Bidder is awarded the Contract:

Portion of Work: _____

Name: _____

Address: _____

SURETY

_____ whose address is

_____, _____, _____, _____
Street City State Zip

BIDDER

The name of the Bidder submitting this Proposal is

_____ doing business at

_____, _____, _____, _____
Street City State Zip

which is the address to which all communications concerned with this Proposal and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Proposal, or of the partnership, or of all persons interested in this Proposal as principals are as follows:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this _____ day of _____ 2015.

Signature of Bidder

Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this _____ day of _____ 2015.

(SEAL)

Name of Corporation

By _____

Title _____

Attest _____

Secretary

FLORIDA BID BOND

BOND NO. _____

AMOUNT \$ _____

KNOW ALL MEN BY THESE PRESENTS, that _____
_____, hereinafter called the
PRINCIPAL, and _____, a corporation duly
organized under the laws of the State of _____ having its principal place of business at
_____ in the State of _____ and
authorized to do business in the State of Florida, as SURETY, are held firmly bound unto
hereinafter called the Obligee, in the sum of _____
DOLLARS (\$ _____) for the payment for which we bind ourselves, our
heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these
presents..

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid or Bid for:

CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT said Bid, by reference
thereto, being hereby made a part hereof.

WHEREAS, the PRINCIPAL contemplates submitting or has submitted a Bid to the OBLIGEE
for the furnishing of labor, materials, (except those specifically furnished by the Owner),
equipment, machinery, tools, apparatus, means of transportation for, and the performance of the
work covered in the Bid and the detailed Specifications entitled:

CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT

WHEREAS, it was a condition precedent to the submission of said Bid that a cashier's check,
certified check, or Bid bond in the amount of five (5) percent of the base Bid be submitted with
said Bid as a guarantee that the Bidder would, if awarded the Contract, enter into a written Contract
with the Owner for the performance of said Contract, within five (5) working days after written
notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the PRINCIPAL within five
(5) working days after written notice of such acceptance, enters into a written Contract with the
OBLIGEE then this obligation shall be void: otherwise the sum herein stated shall be due and
payable to the OBLIGEE and the Surety herein agrees to pay said sum immediately upon demand

of the OBLIGEE in good and lawful money of the United States of America, as liquidated damages for failure thereof of said principal.

Signed and sealed this _____ day of, _____ 2015.

PRINCIPAL

By

SURETY

Attorney-In-Fact

**SWORN STATEMENT UNDER SECTION 287.133(3)(a)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

PROJECT ITB # 15-009: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid, Bid or Contract No. _____ for _____

2. This sworn statement is submitted by _____
(Name of entity submitting sworn statement)

whose business address is _____
_____ and (if applicable) its Federal
Employer Identification Number (FEIN) is _____ (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is _____ and my relationship to
(Please print name of individual signing)

the entity named above is _____.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter

into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

___ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

___ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

___ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

___ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

___ The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(Signature)

(Date)

STATE OF _____

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

_____ who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this _____ day of _____, 2015

My commission expires:

NOTARY PUBLIC

CITY OF KEY WEST INDEMNIFICATION FORM

To the fullest extent permitted by law, the Contractor expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the “indemnities”) from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney’s fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Contractor its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnities for indemnification shall be limited to the amount of Contractor’s insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor under workers’ compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the Contractor or of any third party to whom Contractor may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: _____

SEAL:

Address

Signature

Print Name

Title

Date

**LOCAL VENDOR CERTIFICATION PURSUANT TO CKW ORDINANCE 09-22
SECTION 2-798**

**PROJECT ITB #15-009: CITY MARINA @ GARRISON BIGHT
RAILING REPLACEMENT**

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.
 - Not a local vendor pursuant to Ordinance 09-22 Section 2-798
 - Qualifies as a local vendor pursuant to Ordinance 09-22 Section 2-798

If you qualify, please complete the following in support of the self-certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: _____ Phone: _____

Current Local Address: _____ Fax: _____
(P.O Box numbers may not be used to establish status)

Length of time at this address: _____

Signature of Authorized Representative Date

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2015.
By _____, of _____
(Name of officer or agent, title of officer or agent) (name of corporation acknowledging)

or has produced _____ as identification
(type of identification)

Signature of Notary

Print, Type or Stamp Name of Notary

Title or Rank

Return Completed form with
Supporting documents to:
City of Key West Purchasing

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

PROJECT ITB # 15-009: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT

STATE OF _____)
: SS
COUNTY OF _____)

I, the undersigned hereby duly sworn, depose and say that the firm of _____ provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

By: _____

Sworn and subscribed before me this

_____ day of _____, 2015

NOTARY PUBLIC, State of _____ at Large

My Commission Expires: _____

Sec. 2-773. Cone of Silence

- (a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
 - 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
 - 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
 - 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
 - 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.
- (b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:
- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;
 - 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;
 - 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and

- 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
- 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

- 3) Oral communications at duly noticed pre-bid conferences;
- 4) Oral presentations before publically noticed evaluation and/or selection committees;
- 5) Contract discussions during any duly noticed public meeting;
- 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;
- 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
- 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.

- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

PART 2

CONTRACT FORMS

CONTRACT

This Contract, made and entered into this _____ day of _____ 2015,
by and between the City of Key West, hereinafter called the "Owner", and _____

hereinafter called the "Contractor";

WITNESSETH:

The Contractor, in consideration of the sum to be paid him by the Owner and of the covenants and agreements herein contained, hereby agrees at his own proper cost and expense to do all the work and furnish all the materials, tools, labor, and all appliances, machinery, and appurtenances for ITB # 15-009: CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT, Key West, Florida to the extent of the Proposal made by the Contractor, dated the _____ day of 2015, all in full compliance with the Contract Documents referred to herein.

The CONTRACT DOCUMENTS, including the signed copy of the PROPOSAL, CONTRACT FORMS, PERFORMANCE & PAYMENT BONDS AND SCOPE OF WORK.

In consideration of the performance of the work as set forth in these Contract Documents, the Owner agrees to pay to the Contractor the amount bid in the Proposal as adjusted in accordance with the Contract Documents, or as otherwise herein provided, and to make such payments in the manner and at the times provided in the Contract Documents.

The Contractor agrees to complete the work within one hundred & twenty (120) days and to accept as full payment hereunder the amounts computed as determined by the Contract Documents and based on the said BID.

The Contractor agrees to remedy all defects appearing in the work or developing in the materials furnished and the workmanship performed under this Contract during the warranty period after the date of final acceptance of the work by the Owner, and further agrees to indemnify and save the Owner harmless from any costs encountered in remedying such defects.

It is agreed that the Contract, based upon the BID, shall be fully complete within the stated number of consecutive calendar days from the date the Notice to Proceed is issued.

In the event the Contractor fails to complete the work within the time limit or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid at a rate of \$250.00 per day. Sundays and legal holidays shall be included in determining days in default.

This contract will automatically expire upon completion of the project. Contractors warranty obligations remain in effect.

IN WITNESS WHEREOF, we, the parties hereto, each herewith subscribe the same this

_____ day of _____, A.D., 2015.

CITY OF KEY WEST

By_____

Title_____

CONTRACTOR

By_____

Title_____

* * * *

PERFORMANCE BOND

BOND NO. _____

AMOUNT: \$ _____

KNOW ALL MEN BY THESE PRESENTS, that in accordance with Florida Statutes Section 255.05, _____

with offices at _____

hereinafter called the CONTRACTOR (Principal), and

with offices at _____

a corporation duly organized and existing under and by virtue of the laws of the State of Florida, hereinafter called the SURETY, and authorized to transact business within the State of Florida, as SURETY, are held and firmly bound unto **CITY OF KEY WEST**, hereinafter called the CITY (Obligee), in the sum of:

_____ DOLLARS (\$ _____), lawful money of the United States of America, for the payment of which, well and truly be made to the CITY, the CONTRACTOR and the SURETY bind themselves and each of their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents as follows:

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT:

WHEREAS, the CONTRACTOR has executed and entered into a certain Contract hereto attached, with the CITY, dated _____, 2015, to furnish at his own cost, charges, and expense all the necessary materials, equipment, and/or labor in strict and express accordance with said Contract and the Contract Documents as defined therein, all of which is made a part of said Contract by certain terms and conditions in said Contract more particularly mentioned, which Contract, consisting of the various Contract Documents is made a part of this Bond as fully and completely as if said Contract Documents were set forth herein;

NOW THEREFORE, the conditions of this obligation are such that if the above bounden CONTRACTOR:

1. Shall in all respects comply with the terms and conditions of said Contract and his obligation there under, including the Contract Documents (which include the plans, drawings, specifications, and conditions as prepared by the CITY, invitation to bid, instructions to bidders, the CONTRACTOR’S bid as accepted by the above CITY, the bid and contract performance and payment bonds, and all addenda, if any, issued prior to the opening of bids), being made a part of this bond by reference, at the times and in the manner prescribed in the contract; and

2. Promptly makes payments to all claimants, as defined in Section 255.05(1), Florida Statutes, supplying PRINCIPAL with labor, materials, or supplies, used directly or indirectly by PRINCIPAL in the prosecution of the work provided for in the contract; and

3. Pays CITY all losses, costs, expenses, damages, attorney's fees, including appellate proceedings, injury or loss of whatever kind and however arising including, without limitation, delay damages to which said CITY may be subject by reason of any wrongdoing, misconduct, want of care or skill, negligence, failure of performance, breach, failure to petition within the prescribed time, or default, including patent infringements, on the part of said CONTRACTOR, his agents or employees, in the execution or performance of said Contract; and

4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this obligation shall be void; otherwise, to remain in full force and effect for the term of said Contract.

AND, the said Surety for value received, hereby stipulates and agrees that no change involving any extension of time, or addition to the terms of the Contract Documents, or to the work to be performed, or materials to be furnished there under shall affect said obligation of said Surety on this Bond, and the said Surety does hereby waive notice of any such changes, extension of time, alterations, or additions of the terms of the Contract Documents, or to the work.

Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes.

IN WITNESS WHEREOF, the above parties bonded together have executed this instrument this day of _____, 2015, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

CONTRACTOR

By: _____

(SEAL)

ATTEST

SURETY

By: _____

(SEAL)

ATTEST

PAYMENT BOND

BOND NO. _____

AMOUNT: \$ _____

KNOW ALL MEN BY THESE PRESENTS, that in accordance with Florida Statutes Section 255.05, _____

with offices at _____
called the CONTRACTOR hereinafter, (Principal), and

with offices at _____
a corporation duly organized and existing under and by virtue of the laws of the State of _____, hereinafter called the SURETY, and authorized to transact business within the State of Florida, as SURETY, are held and firmly bound CITY OF KEY WEST, represented by its _____, hereinafter called the City (Obligee), in the sum of:

_____ DOLLARS (\$ _____),
lawful money of the United States of America, for the payment of which, well and truly be made to the CITY, and the CONTRACTOR and the SURETY bind themselves and each of their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents as follows:

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT:

WHEREAS, the CONTRACTOR has executed and entered into a certain Contract for **CITY MARINA @ GARRISON BIGHT RAILING REPLACEMENT** attached hereto, with the CITY, dated _____ 2015, to furnish at his own cost, charges, and expense the necessary materials, equipment, and/or labor in strict and express accordance with said Contract and the plans, drawings (if any), and specifications prepared by the CITY, all of which is made a part of said Contract by certain terms and conditions in said Contract more particularly mentioned, which Contract, consisting of the various Contract Documents specifically mentioned herein and relative hereto, is made a part of this Bond as fully and completely as if said Contract Documents were set forth herein.

NOW THEREFORE, the conditions of this obligation are such that if the above bounden CONTRACTOR shall in all respects comply with the terms and conditions of said Contract and his obligation thereunder, including the Contract Documents (which include the plans, drawings, specifications, and conditions prepared by the CITY, invitation to bid, instructions to bidders, the CONTRACTOR’S bid as accepted by the CITY, the bid and contract and payment bonds, and all addenda, if any, issued prior to the opening of bids), and further that if said CONTRACTOR shall promptly make payments to all persons supplying materials, equipment, and/or labor, used directly or indirectly by said CONTRACTOR or subcontractors in the prosecution of the work for said contract in accordance with Florida Statutes, Section 255.05 or Section 713.23, then this obligation

shall be void; otherwise to remain in full force and effect for the term of said contract, including and all guarantee periods as specifically mentioned in said Contract Documents.

AND, the said SURETY for value received, hereby stipulates and agrees that no change involving any extension of time, or addition to the terms of the Contract or to the work to be performed, or materials to be furnished thereunder, or in the Contract Documents and specifications accompanying the said contract shall affect said obligation of said SURETY on this Bond, and the said SURETY does hereby waive notice of any such changes, extension of time, alternations, or additions of the terms of the Contract, or to the work, to the Contract Documents, or to the specifications.

Claimant shall give written notice to the CONTRACTOR and the SURETY as required by Section 255.05 or Section 713.23, Florida Statutes. Any action instituted against the CONTRACTOR or SURETY under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2) or Section 713.23, Florida Statutes.

IN WITNESS WHEREOF, the above parties bounded together have executed this instrument this _____ day of _____, 2015, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

CONTRACTOR

By: _____

(SEAL)

ATTEST

SURETY

By: _____

(SEAL)

ATTEST

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CONDITIONS

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DEFINITIONS

Whenever in the Contract Documents the following terms are used, the intent and meaning shall be interpreted as follows:

1. AS APPROVED

The words "as approved", unless otherwise qualified, shall be understood to be followed by the words "by the Engineer for conformance with the Contract Document".

2. AS SHOWN, AND AS INDICATED

The words "as shown" and "as Indicated" shall be understood to be followed by the words "on the Drawings".

3. BIDDER

The person or persons, partnership, firm, or corporation submitting a Bid for the work contemplated.

4. CONTRACT DOCUMENTS

The "Contract Documents" consist of the Bid Requirements, Contract Forms, Conditions of the Contract, Specifications, Drawings, all modifications thereof incorporated into the Documents before their execution, Change Orders, and all other requirements incorporated by specific reference thereto. These form the Contract.

5. CONTRACTOR

The person or persons, partnership, firm, or corporation who enters into the Contract awarded him by the Owner.

6. CONTRACT COMPLETION

The "Contract Completion" is the date the Owner accepts the entire work as being in compliance with the Contract Documents, or formally waives nonconforming work to extent of nonconformity, and issues the final payment in accordance with the requirements set forth in Article, "Final Payment" of these General Conditions.

7. DAYS

Unless otherwise specifically stated, the term "days" will be understood to mean calendar days. Business day or working day means any day other than Saturday, Sunday, or legal holiday.

8. DRAWINGS

The term "Drawings" refers to the official Drawings, profiles, cross sections, elevations, details, and other working drawings and supplementary drawings, or reproductions thereof which shows the location, character, dimensions, and details of the work to be

performed.

9. ENGINEER

The person or organization identified as such in the Contract Documents. The Term "Engineer" means the Owner's Engineer, Owner's contracted Engineer, or its authorized representative.

9(a). PROJECT MANAGER

The person or organization identified as such in the Contract Documents. The Term "Project Manager" means the Owner's authorized representative overseeing the project for the City.

10. NOTICE

The term "notice" or the requirement to notify, as used in the Contract Documents or applicable state or federal statutes, shall signify a written communication delivered in person or by registered mail to the individual, or to a member of the firm, or to an officer of the corporation for whom it is intended. Certified or registered mail shall be addressed to the last business address known to him who gives the notice.

11. OR EQUAL

The term "or equal" shall be understood to indicate that the "equal" product is equivalent to or better than the product named in function, performance, reliability, quality, and general configuration. The Engineer will make determination of equality in reference to the project design requirements. Such equal products shall not be purchased or installed by the Contractor without written authorization.

12. OWNER

The person, organization, or public body identified as such in the Contract Documents.

Wherever in these Documents the word "Owner" appears, it shall be understood to mean the City of Key West whose address is 3126 Flagler Ave, Key West, Florida 33040.

13. PLANS (See Drawings)

14. SPECIFICATIONS

The term "Specifications" refers to those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards, and workmanship as applied to the work and certain administrative details applicable thereto. Where standard specifications, such as those of ASTM, AASHTO, etc., have been referred to, the applicable portions of such standard specifications shall become a part of these Contract Documents. If referenced specifications conflict with specifications contained herein, the requirements contained herein shall prevail.

FEDERAL, STATE, COUNTY, AND LOCAL STANDARD SPECIFICATIONS

Where portions of the work traverse or cross federal, state, county, or local highways, roads, or streets, and the agency in control of such property has established standard specifications governing items of work that differ from these Specifications, the most stringent requirements shall apply.

The Contractor shall comply with all regulations and requirements of the State Highway Department and the County Road Department wherever the work traverses or crosses state or county highways.

15. NOTICE TO PROCEED

A written notice given by the Owner to the Contractor (with a copy to the Engineer) fixing the date on which the Contract time will commence to run and on which the Contractor shall start to perform his obligation under the Contract Documents. The Owner will give the Notice to Proceed within thirty (30) calendar days following the execution of the Contract.

16. SUBSTANTIAL COMPLETION

"Substantial Completion" shall be that degree of completion of the project or a defined portion of the project, as evidenced by the Engineer's written notice of Substantial Completion, sufficient to provide the Owner, at his discretion, the full-time use of the project or defined portion of the project for the purposes for which it was intended. "Substantial Completion" of an operating facility shall be that degree of completion that has provided a minimum of seven (7) continuous days of successful, trouble-free, operation, which period shall begin after all performance and acceptance testing has been successfully demonstrated to the Engineer. All equipment contained in the work, plus all other components necessary to enable the Owner to operate the facility in a manner that was intended, shall be complete on the substantial completion date.

17. WORK

The word "work" within these Contract Documents shall include all material, labor, tools, and all appliances, machinery, transportation, and appurtenances necessary to perform and complete the Contract, and such additional items not specifically indicated or described which can be reasonably inferred as belonging to the item described or indicated and as required by good practice to provide a complete and satisfactory system or structure. As used herein, "provide" shall be understood to mean, "furnish and install, complete in-place".

CONTRACT DOCUMENTS

18. INTENT OF CONTRACT DOCUMENTS

The Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all. The intent of the Documents is to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any work, materials, or equipment that may reasonably be inferred from the Contract Documents, as being required to produce the intended result shall be supplied whether or not specifically called for. When words, which have a well-known technical

or trade meaning, are used to describe work, materials, or equipment, such words shall be interpreted in accordance with that meaning.

Reference to standard specifications, manuals, or codes of any technical society, organization or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code or laws or regulations in effect on the first published date of the Invitation to Bid, except as may be otherwise specifically stated. However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of Owner, Contractor, or Engineer, or any of their Contractors, agents, or employees from those set forth in the Contract Documents, nor shall it be effective to assign to Engineer, or any Engineer's Contractors, agents, or employees, any duty or authority to supervise or direct the furnishing or performance of the work or any duty or authority to undertake responsibility contrary to the provisions of Article LIMITATIONS ON ENGINEER'S RESPONSIBILITIES.

19. DISCREPANCIES AND OMISSIONS

Any discrepancies or omissions found in the Contract Documents shall be reported to the Engineer immediately. The Engineer will clarify discrepancies or omissions, in writing, within a reasonable time.

In resolving inconsistencies among two or more sections of the Contract Documents, precedence shall be given in the following order:

- A. CONTRACT
- B. BID
- C. CRITERION FOR FIRE STATION DOOR REPLACEMENT
- D. SPECIAL CONDITIONS
- E. SUPPLEMENTARY CONDITIONS
- F. REQUEST FOR BIDS
- G. INSTRUCTIONS TO BIDDERS
- H. GENERAL CONDITIONS
- I. SPECIFICATIONS
- J. DRAWINGS

Addenda shall take precedence over all sections referenced therein. Figure dimensions on Drawings shall take precedence over scale dimensions. Detailed Drawings shall take precedence over general Drawings.

20. CHANGES IN THE WORK

The Owner, without notice to the Sureties and without invalidating the Contract, may order changes in the work within the general scope of the Contract by altering, adding to, or deducting from the work, the Contract being adjusted accordingly. All such work shall

be executed under the conditions of the original Contract, except as specifically adjusted at the time of ordering such change.

In giving instructions, the Engineer may order minor changes in the work not involving extra cost and not inconsistent with the purposes of the project, but otherwise, except in an emergency endangering life and property, additions or deductions from the work shall be performed only in pursuance of an approved Change Order from the Owner, countersigned by the Engineer.

If the work is reduced by alterations, such action shall not constitute a claim for damages based on loss of anticipated profits.

21. EXAMINATIONS AND VERIFICATION OF CONTRACT DOCUMENTS

The Contractor shall thoroughly examine and become familiar with all of the various parts of these Contract Documents and determine the nature and location of the work, the general and local conditions, and all other matters, which can in any way affect the work under this Contract. Failure to make an examination necessary for this determination shall not release the Contractor from the obligations of this Contract. No verbal agreement or conversation with any officer, agent, or employee of the Owner, or with the Engineer either before or after the execution of this Contract, shall affect or modify any of the terms or obligations herein contained.

22. DOCUMENTS TO BE KEPT ON THE JOBSITE

The Contractor shall keep one copy of the Contract Documents on the job- site, in good order, available to the Engineer and to his/her representatives.

The Contractor shall maintain on a daily basis at the jobsite, and make available to the Engineer on request, one current record set of the Drawings which have been accurately marked to indicate all modifications in the completed work that differ from the design information shown on the Drawings. Upon Substantial completion of the work, the Contractor shall give the Engineer one (1) complete set of these marked up record Drawings.

23. ADDITIONAL CONTRACT DOCUMENTS

Copies of Contract Documents or Drawings may be obtained on request from the Engineer and by paying the actual cost of reproducing the Contract Documents or Drawings.

24. OWNERSHIP OF CONTRACT DOCUMENTS

All portions of the Contract Documents, and copies thereof furnished by the Engineer are instruments of service for this project. They are not to be used on other work and are to be returned to the Engineer on request at the completion of the work. Any reuse of these materials without specific written verification or adaptation by the Engineer will be at the risk of the user and without liability or legal expense to the Engineer. Such user shall hold the Engineer harmless from any and all damages, including reasonable attorneys' fees, from any and all claims arising from any such reuse. Any such verification and adaptation shall entitle the Engineer to further compensation at rates to be agreed upon by the user and the Engineer.

THE ENGINEER

25. AUTHORITY OF THE ENGINEER

The Engineer will be the Owner's representative during the construction period. His/her authority and responsibility will be limited to the provisions set forth in these Contract Documents. The Engineer will have the Authority to reject work that does not conform to the Contract Documents. However, neither the Engineer's authority to act under this provision, nor any decision made by him/her in good faith either to exercise or not to exercise such authority, shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, their respective Sureties, any of their agents or employees, or any other person performing any of the work.

26. DUTIES AND RESPONSIBILITIES OF THE ENGINEER

The Engineer will make visits to the site at intervals appropriate to the various stages of construction to observe the progress and quality of the work and to determine, in general, if the work is proceeding in accordance with the intent of the Contract Documents. He/she will not make comprehensive or continuous review or observation to check quality or quantity of the work, and he/she will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work. Visits and observations made by the Engineer shall not relieve the Contractor of his/her obligation to conduct comprehensive inspections of the work and to furnish materials and perform acceptable work, and to provide adequate safety precautions, in conformance with the intent of the Contract.

The Engineer will make recommendations to the Owner, in writing, on all claims of the Owner or the Contractor arising from interpretation or execution of the Contract Documents. Such recommendations will be of factual and/or technical nature, and will not include the legal interpretation of the Contract Documents. The Owner will make any necessary legal interpretation of the Contract Document. Such recommendation shall be necessary before the Contractor can receive additional money under the terms of the Contract. Changes in work ordered by the Engineer shall be made in compliance with Article CHANGES IN THE WORK.

One or more project representatives may be assigned to observe the work. It is understood that such project representatives shall have the authority to issue notice of nonconformance and make decisions within the limitations of the authority of the Engineer. The Contractor shall furnish all reasonable assistance required by the Engineer or project representatives for proper observation of the work. The above-mentioned project representatives shall not relieve the Contractor of his/her obligations to conduct comprehensive inspections of the work and to furnish materials and perform acceptable work, and to provide adequate safety precautions, in conformance with the intent of the Contract.

27. LIMITATIONS ON ENGINEER'S RESPONSIBILITIES

Engineer will not be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, and Engineer will not be responsible for Contractor's failure to perform or furnish the work in accordance with the Contract Documents.

Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any supplier, or of any other person or organization performing or furnishing any of the work.

Whenever in the Contract Documents the terms "as ordered", "as directed", "as required", "as allowed", "as approved", or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper", or "satisfactory", or adjectives of like effect or import are used to describe a requirement, direction, review or judgment of Engineer as to the work, it is intended that such requirement, direction, review, or judgment will be solely to evaluate the work for compliance with the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective shall not be effective to assign to Engineer any duty or authority to supervise or direct the furnishing or performance of the work or any duty or authority to undertake responsibility contrary to the provisions of this Article.

28. REJECTED WORK

Any defective work or nonconforming materials or equipment that may be discovered at any time prior to expiration of the warranty period shall be removed and replaced by work which shall conform to the provisions of the Contract Documents. Any material condemned or rejected shall be removed at once from the project site.

Failure on the part of the Engineer to condemn or reject bad or inferior work or to note nonconforming materials or equipment on Contractor submittals shall not be construed to imply acceptance of such work. The Owner shall reserve and retain all of its rights and remedies at law against the Contractor and its Surety for correction of any and all latent defects discovered after the guarantee period.

29. LINES AND GRADES

Lines and grades shall be established as provided in the supplementary conditions. All stakes, marks, and other reference information shall be carefully preserved by the Contractor, and in case of their careless or unnecessary destruction or removal by him/her or his/her employees, such stakes, marks, and other information shall be replaced at the Contractor's expense.

It will be the Contractor's responsibility to layout the work and to transfer elevations from benchmarks. Where new construction connects to existing facilities, the Contractor shall check and establish the exact location prior to construction of the facilities.

The Contractor shall furnish all surveys, labor, and equipment, including setting all alignment and gradient, grade stakes, batter boards, and everything necessary to lay out his/her work. The Contractor shall be responsible for maintaining and re-establishing at his expense, all control points. After completion of his construction, he shall reset all permanent monuments at their original locations and elevations.

The Engineer may check all layout work, and the Contractor shall furnish all necessary labor, equipment, and materials, and shall cooperate and assist the Engineer in making such checks.

The dimensions for lines and elevations for grades of the fuel system structures, appurtenances, and utilities will be shown on Drawings produced by the Contractor for the issuance of all required permits, together with other pertinent information required for laying out the work. If site conditions vary from those indicated, the Contractor shall notify the Engineer immediately, who will make any minor adjustments as required.

30. SUBMITTALS

After checking and verifying all field measurements and after complying with applicable procedures specified in Division I, GENERAL REQUIREMENTS, Contractor shall submit to Engineer, in accordance with the schedule for submittals for review, shop drawings, electrical diagrams, and catalog cuts for fabricated items and manufactured items (including mechanical and electrical equipment), which shall bear a stamp or specific written indication that Contractor has satisfied Contractor's responsibilities under the Contract Documents with respect to the review of the submittal. All submittals shall be identified as Engineer may require. The data shown shall be complete with respect to quantities, dimensions specified, performance and design criteria, materials, and similar data to enable Engineer to review the information. Contractor shall also submit to Engineer for review, with such promptness as to cause no delay in work, all samples required by the Contract Documents. All samples shall have been checked by and accompanied by a specific written indication that Contractor has satisfied Contractor's responsibilities under the Contract Documents with respect to the review of the submission and shall be identified clearly as to material, supplier, pertinent data such as catalog numbers and the use for which intended.

Before submission of each submittal, Contractor shall have determined and verified all quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar data with respect thereto and reviewed or coordinated each submittal with other submittals and with the requirements of the work and the Contract Documents.

At the time of each submission, Contractor shall give Engineer specific written notice of each variation that the submittal may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each shop drawing submitted to Engineer for review and approval of each variation.

Engineer will review submittals with reasonable promptness, but Engineer's review will be only for conformance with the design concept of the project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences, or procedures of construction (except where a specific means, method, technique, sequence, or procedure of construction is indicated in or required by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate review of the assembly in which the item functions. Contractor shall make corrections required by Engineer, and shall return the required number of corrected copies of shop drawings and submit as required new samples for review. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

Engineer's review of submittals shall not relieve Contractor from the responsibility for any variation from the requirements of the Contract Documents unless Contractor has in writing called Engineer's attention to each such variation at the time of submission and

Engineer has given written approval of each such variation by a specific written notation thereof incorporated therein or accompanying the shop drawing or sample approval; nor will any approval by Engineer relieve Contractor from responsibility for errors or omissions in the shop drawings or from responsibility for having complied with the provisions herein.

Where a shop drawing or sample is required by the specifications, any related work performed prior to Engineer's review and approval of the pertinent submission shall be at the sole expense and responsibility of the Contractor.

31. DETAIL DRAWINGS AND INSTRUCTIONS

The Engineer will furnish, with reasonable promptness, additional instructions by means of Drawings or otherwise, if, in the Engineer's opinion, such are required for the proper execution of the work. All such Drawings and instructions will be consistent with the Contract Documents, true developments thereof, and reasonably inferable there from.

THE CONTRACTOR AND HIS EMPLOYEES

32. CONTRACTOR, AN INDEPENDENT AGENT

The Contractor shall independently perform all work under this Contract and shall not be considered as an agent of the Owner or of the Engineer, nor shall the Contractor's Subcontractors or employees be subagents of the Owner or of the Engineer.

32. (a) ASSIGNMENT OF CONTRACT

Assignment of any part or the whole of this Contract shall be subject to review and approval of the City Commission.

33. SUBCONTRACTING

Unless modified in the Supplementary Conditions, within ten (10) calendar days after the execution of the Contract, the Contractor shall submit to the Engineer the names of all Subcontractors proposed for the work, including the names of any Subcontractors that were submitted with the Bid. The Contractor shall not employ any subcontractors to which the Owner may object to as lacking capability to properly perform work of the type and scope anticipated.

The Contractor is as fully responsible to the Owner for the acts and omissions of his Subcontractors and of persons either directly or indirectly employed by them as he is for the acts and omissions of persons directly employed by him.

Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and the Owner or Engineer.

34. INSURANCE AND LIABILITY

A. GENERAL

The Contractor shall provide (from insurance companies acceptable to the Owner)

the insurance coverage designated hereinafter and pay all costs.

Before commencing work under this Contract, Contractor shall furnish the Owner with certificates of insurance specified herein showing the type, amount class of operations covered, effective dates, and date of expiration of policies, and containing substantially the following statement:

"The insurance covered by this certificate shall not be canceled or materially altered, except after 30 days' written notice has been received by the Owner."

In case of the breach of any provision of this Article, the Owner, at his option, may take out and maintain, at the expense of the Contractor, such insurance as the Owner may deem proper and may deduct the cost of such insurance from any monies which may be due or become due the Contractor under this Contract.

B. CONTRACTOR AND SUBCONTRACTOR INSURANCE

The Contractor shall not commence work under this Contract until he has obtained all the insurance required hereunder and such insurance has been reviewed by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until insurance specified below has been obtained. Review of the insurance by the Owner shall not relieve or decrease the liability of the Contractor hereunder.

C. COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE

The Contractor shall maintain during the life of this Contract the statutory amount of Workmen's Compensation Insurance, in addition, Employer's Liability Insurance in an amount as specified in the Supplementary Conditions, for each occurrence, for all of his employees to be engaged in work on the project under this Contract. In case any such work is subcontracted, the Contractor shall require the Subcontractor to provide similar Workmen's Compensation and Employer's Liability Insurance for all of the Subcontractor's employees to be engaged in such work.

D. GENERAL LIABILITY INSURANCE (INCLUDING AUTOMOBILE)

See Supplementary Conditions

E. BUILDERS RISK ALL RISK INSURANCE

Unless otherwise modified in the Supplementary Conditions, the Contractor shall secure and maintain during the life of this Contract, Builders Risk All Risk Insurance Coverage in an amount equal to the full value of the facilities under construction. Deductible shall be no greater than \$5,000. Such insurance shall include coverage for earthquake, landslide, flood, collapse, loss due to the result of faulty workmanship or design, and all other normally covered risks, and shall provide losses to be paid to the Contractor, Owner, and Engineer as their interests may appear.

The Owner and Engineer, their officers, agents, and employees shall be named

as additional insureds on the Contractor's and any subcontractors Builders Risk All Risk insurance policies for any claims arising out of work performed under this Contract.

This insurance shall include a waiver of subrogation as to the Engineer, the Owner, the Contractor, and their respective officers, agents, employees, and subcontractors.

F. NO PERSONAL LIABILITY OF PUBLIC OFFICIALS

In carrying out any of the provisions hereof in exercising any authority granted by the Contract, there will be no personal liability upon any public official.

G. SURETY AND INSURER QUALIFICATIONS

All bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or insurance company, having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of Florida. Further, the said Surety or insurance company shall be duly licensed and qualified to do business in the State of Florida. If requested, Contractor shall provide proof of Florida Licensure for all insurance companies.

35. INDEMNITY

The following shall be made a provision of any resulting agreement:

To the fullest extent permitted by law, the Contractor expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnities") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Contractor its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnities for indemnification shall be limited to the amount of Contractor's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the Contractor or of any third party to whom Contractor may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

36. EXCLUSION OF CONTRACTOR CLAIMS

In performing its obligations, the Engineer and its Contractors may cause expense for the

Contractor or its subcontractors and equipment or material suppliers. However, those parties and their sureties shall maintain no direct action against the Engineer, its officers, employees, agents, and Contractors for any claim arising out of, in connection with, or resulting from the engineering services performed or required to be performed.

37. TAXES AND CHARGES

The Contractor shall withhold and pay any and all sales and use taxes and all withholding taxes, whether State or Federal, and pay all Social Security charges and also all State Unemployment Compensation charges, and pay or cause to be withheld, as the case may be, any and all taxes, charges, or fees or sums whatsoever, which are now or may hereafter be required to be paid or withheld under any laws.

38. REQUIREMENTS OF STATE LAW FOR PUBLIC WORKS PROJECTS

When the Contract Documents concern public works of the state or any county, municipality, or political subdivision created by its laws, the applicable statutes shall apply. All parties to this Contract shall determine the contents of all applicable statutes and comply with their provisions throughout the performance of the Contract.

39. CODES, ORDINANCES, PERMITS, AND LICENSES

The Contractor shall keep himself fully informed of all local codes and ordinances, as well as state and federal laws, which in any manner affect the work herein specified. The Contractor shall at all times comply with said codes and ordinances, laws, and regulations, and protect and indemnify the Owner, the Engineer and their respective employees, and its officers and agents against any claim or liability arising from or based on the violation of any such laws, ordinances, or regulations. All permits, licenses and inspection fees necessary for prosecution and completion of the work shall be secured and paid for by the Contractor, unless otherwise specified.

A. PERMIT FOR WORK WITHIN LOCAL RIGHTS-OF-WAY

The Contractor shall obtain from the City of Key West the necessary permits for work within the rights-of-way. The Contractor shall abide by all regulations and conditions, including maintenance of traffic, FDOT Standard.

B. NOISE ORDINANCE

The Contractor shall comply with the City of Key West Noise Ordinance.

C. LICENSES

BIDDER must represent that he holds all applicable state, county, and City of Key West licenses and permits required to do business as a contractor with respect to the work described in the Contract Documents before he may Bid on the project.

The following licenses and certificates are required as a minimum:

A. All licenses or certificates required by federal, state or local statutes or

regulations.

- B. A valid Business Tax Receipt issued by the City of Key West, if required.
- C. A valid Certificate of Competency issued by the Building Official of the City of Key West which shall remain valid throughout the time period of the Contract, if required.

Further, the successful BIDDER must, within ten (10) calendar days of Notice of Award, furnish documentation showing that, as a minimum, he has complied with the provisions of Chapter 91 of the Code of Ordinances of the City of Key West in order to enter into the Agreement contained in the Contract Documents.

40. SUPERINTENDENCE

The Contractor shall keep at the project site, competent supervisory personnel. The Contractor shall designate, in writing, before starting work, a project superintendent who shall be an employee of the Contractor and shall have complete authority to represent and to act for the Contractor. Engineer shall be notified in writing prior to any change in superintendent assignment. The Contractor shall give efficient supervision to the work, using his best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, and procedures, and for providing adequate safety precautions and coordinating all portions of the work under the Contract. It is specifically understood and agreed that the Engineer, its employees and agents, shall not have control or charge of and shall not be responsible for the construction means, methods, techniques, procedures, or for providing adequate safety precautions in connection with the work under Contract.

40(a). CONTRACTOR'S RESPONSIBILITIES:

- A. The Contractor shall employ such superintendents, foremen, and workmen as are careful and competent. Whenever the Engineer shall determine that any person employed by the Contractor is in his opinion, incompetent, unfaithful, disorderly or insubordinate, such person shall, upon notice, be discharged from the work and shall not again be employed on it except with the written consent of the Engineer. Should the Contractor fail to remove such person or persons, or fail to furnish suitable or sufficient machinery, equipment or force for the proper prosecution of the work the Engineer may withhold all estimates which are, or may become due, or may suspend the work until such orders are complied with.
- B. The Contractor shall provide qualified personnel to assist the Engineer in making field checks, measurements, asbuilt checks, inspection, test runs, and the necessary quality check work related to the project work. An english speaking superintendent or foreman shall be onsite at all times.
- C. The Contractor shall provide and maintain at his own expense, in a sanitary condition, such accommodations for the use of his employees as is necessary to comply with the requirements and regulations of the State and County Boards of Health. He shall commit no public nuisance.

- D. The Contractor shall conduct the work so as to insure the least obstruction to traffic practicable, and shall provide for the convenience of the general public and of the residents along and adjacent to the work in a manner satisfactory to the Engineer. Materials and equipment stored on the work site shall be placed so as to cause as little obstruction to the public as possible and shall be lighted and barricaded as hereinafter provided. Keep driveways and entrances serving the premises clear and available to the Owner and the Owner's employees at all times. Do not use these areas for parking or storage of materials and equipment on site.
- E. Unless otherwise expressly stipulated herein, the use of explosives is not contemplated in the prosecution of the Contract, and in no case will their use be permitted within a municipality without the written permission of the City Engineer and a permit issued by the Chief of the Fire Department. Where such permission for the use of explosives is obtained, the Contractor shall use the utmost care so as not to endanger life or property, and whenever directed the size and number of charges shall be reduced. All explosives shall be stored in a secure manner, and all such storage places shall be marked clearly, "DANGEROUS EXPLOSIVES", and shall be in care of competent watchmen

41. RECEPTION OF ENGINEER'S COMMUNICATIONS

The superintendent shall receive for the Contractor all communications from the Engineer. Communications of major importance will be confirmed in writing upon request from the Contractor.

The Engineer may schedule project meetings for the purposes of discussing and resolving matters concerning the various elements of the work. The Engineer shall determine the time and place for these meetings, and the names of persons required being present. The Contractor shall comply with these attendance requirements and shall also require his/her Subcontractors to comply.

42. SAFETY

The Contractor shall be solely and completely responsible for conditions of the jobsite, including safety of all persons (including employees) and property during performance of the work. This requirement shall apply continuously and not be limited to normal working hours. Safety provisions shall conform to U.S. Department of Labor (OSHA), and all other applicable federal, state, county, and local laws, ordinances, codes, and regulations. Where any of these are in conflict, the more stringent requirement shall be followed. The Contractor's failure to thoroughly familiarize himself/herself with the aforementioned safety provisions shall not relieve him from compliance with the obligations and penalties set forth therein.

The Contractor shall develop and maintain for the duration of this Contract, a safety program that will effectively incorporate and implement all required safety provisions. The Contractor shall appoint an employee who is qualified and authorized to supervise and enforce compliance with the safety program.

The duty of the Engineer to conduct construction review of the work does not include

review or approval of the adequacy of the Contractor's safety program, safety supervisor, or any safety measures taken in, on, or near the construction site.

The Contractor, as a part of his safety program, shall maintain at hi/hers office or other well-known place at the jobsite, safety equipment applicable to the work as prescribed by the aforementioned authorities, all articles necessary for giving first-aid to the injured, and shall establish the procedure for the immediate removal to a hospital or a doctor's care of persons (including employees) who may be injured on the jobsite.

If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to both the Engineer and the Owner. In addition, the Contractor must promptly report in writing to the Engineer all accidents whatsoever arising out of, or in connection with, the performance of the work whether on, or adjacent to, the site, giving full details and statements of witnesses.

If a claim is made by anyone against the Contractor or any Subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the Engineer, giving full details of the claim.

A. OWNER'S RIGHT TO STOP WORK

If the Contractor or Subcontractor fails to provide adequate safety provisions as required by the Contract Documents the Owner has the right to stop all construction work at the location with inadequate safety provisions until adequate provisions are in place. The Owner shall not be liable for any delays caused by the Contractor's failure to provide and maintain required safety provisions.

B. CLEANUP PROCEDURES FOR HURRICANE WARNINGS AND HURRICANE WATCH

In the event the National Oceanographic and Atmospheric Administration (NOAA) issues a Tropical Storm Watch or a Hurricane Watch for the Keys the Engineer will Contact the Contractor informing him that the Watch has been established. Within four (4) hours of the notice the Contractor shall provide the Engineer with a written plan and schedule describing how and when the Contractor will remove all unnecessary items from the work area and tie down all necessary supplies and barricades in the event a Tropical Storm Warning or a Hurricane Warning is issued. The Contractor shall remove all unnecessary items from work areas and shall tie down all movable objects (under 200 lbs.) The Engineer will determine "necessary" items. The Owner shall not be liable for any financial hardship or delays caused as a result of demobilization or remobilization of work due to the above.

C. OCCUPATIONAL SAFETY AND HEALTH

The Contractor shall observe and comply with all applicable local, state, and federal occupational safety and health regulations during the prosecution of work under this Contract. In addition, full compliance by the Contractor with the U.S. Department of Labor's Occupational Safety and Health Standards, as established in Public Law 91-596, will be required under the terms of this Contract.

43. PROTECTION OF WORK AND PROPERTY

The Contractor shall at all times safely guard and protect from damage the Owner's property, adjacent property, and his/her own work from injury or loss in connection with this Contract. All facilities required for protection by federal, state, or municipal laws and regulations and local conditions must be provided and maintained.

The Contractor shall protect his/her work and materials from damage due to the nature of the work, the elements, carelessness of other contractors, or from any cause whatever until the completion and acceptance of the work. All loss or damages arising out of the nature of the work to be done under these Contract Documents, or from any unforeseen obstruction or defects which may be encountered in the prosecution of the work, or from the action of the elements, shall be sustained by the Contractor.

43(a). HISTORIC PRESERVATION

The Contractor shall comply with Florida Historical Resources Act (Florida Statutes, Chapter 267) and the regulations of the local historic preservation board as applicable and protect against the potential loss or destruction of significant historical or archaeological data, sites, and properties in connection with the project.

44. RESPONSIBILITY OF CONTRACTOR TO ACT IN AN EMERGENCY

In case of an emergency that threatens loss or injury of property, and/or safety of life, the Contractor shall act, without previous instructions from the Owner or Engineer, as the situation may warrant. The Contractor shall notify the Engineer thereof immediately thereafter. Any claim for compensation by the Contractor, together with substantiating documents in regard to expense, shall be submitted to the Owner through the Engineer and the amount of compensation shall be determined by agreement.

45. MATERIALS AND APPLIANCES

Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labor, water, tools, equipment, heat, light, fuel, power, transportation, construction equipment and machinery, appliances, telephone, sanitary facilities, temporary facilities and other facilities and incidentals necessary for the execution and completion of the work.

Unless otherwise specified, all materials shall be new, and both workmanship and materials shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.

In selecting and/or approving equipment for installation in the project, the Owner and Engineer assume no responsibility for injury or claims resulting from failure of the equipment to comply with applicable federal, state, and local safety codes or requirements, or the safety requirements of a recognized agency, or failure due to faulty design concepts, or defective workmanship and materials.

46. CONTRACTORS' AND MANUFACTURERS' COMPLIANCE WITH STATE SAFETY, OSHA, AND OTHER CODE REQUIREMENTS

The completed work shall include all necessary permanent safety devices, such as

machinery guards and similar ordinary safety items required by the state and federal (OSHA) industrial authorities and applicable local and national codes. Further, any features of the work subject to such safety regulations shall be fabricated, furnished, and installed (including Owner-furnished equipment) in compliance with these requirements. Contractors and manufacturers of equipment shall be held responsible for compliance with the requirements included herein. Contractors shall notify all equipment suppliers and Subcontractors of the provisions of this Article.

47. SUBSTITUTION OF MATERIALS

Except for Owner-selected equipment items, and items where no substitution is clearly specified, whenever any material, article, device, product, fixture, form, type of construction, or process is indicated or specified by patent or proprietary name, by name of manufacturer, or by catalog number, such specifications shall be deemed to be used for the purpose of establishing a standard of quality and facilitating the description of the material or process desired. This procedure is not to be construed as eliminating from competition other products of equal or better quality by other manufacturers where fully suitable in design, and shall be deemed to be followed by the words "or equal". The Contractor may, in such cases, submit complete data to the Engineer for consideration of another material, type, or process, which shall be substantially equal in every respect to that so indicated or specified. Substitute materials shall not be used unless approved in writing. The Engineer will be the sole judge of the substituted article or material.

48. TESTS, SAMPLES, AND OBSERVATIONS

The Contractor shall furnish, without extra charge, the necessary test pieces and samples, including facilities and labor for obtaining the same, as requested by the Engineer. When required, the Contractor shall furnish certificates of tests of materials and equipment made at the point of manufacture by a recognized testing laboratory.

The Owner, Engineer, and authorized government agents, and their representatives shall at all times be provided safe access to the work wherever it is in preparation or progress, and the Contractor shall provide facilities for such access and for observations, including maintenance of temporary and permanent access.

If the Specifications, laws, ordinances, or any public authority require any work, to be specially tested or approved, the Contractor shall give timely notice of its readiness for observations. If any work should be covered up without approval or consent of the Engineer, it shall, if required by the Engineer, be uncovered for examination at the Contractor's expense.

The Engineer may order re-examination of questioned work, and, if so ordered, the Contractor shall uncover the work. If such work is found to be in accordance with the Contract Documents, the Owner will pay the cost of uncovering, exposure, observation, inspection, testing and reconstruction. If such work is found to be not in accordance with the Contract Documents, the Contractor shall correct the defective work, and the cost of reexamination and correction of the defective work shall be paid by the Contractor.

49. ROYALTIES AND PATENTS

The Contractor shall pay all royalty and licenses fees, unless otherwise specified. The

Contractor shall defend all suits or claims for infringement of any patent rights and shall save the Owner and the Engineer harmless from any and all loss, including reasonable attorneys' fees, on account thereof.

50. CONTRACTOR'S RIGHT TO TERMINATE CONTRACT

If the work should be stopped under an order of any court or other public authority for a period of more than three (3) months, through no act or fault of the Contractor, its Subcontractors, or respective employees or if the Engineer should fail to make recommendation for payment to the Owner or return payment request to Contractor for revision within thirty (30) calendar days after it is due, or if the Owner should fail to pay the Contractor within thirty (30) calendar days after time specified in Article PARTIAL PAYMENTS, any sum recommended by the Engineer, then the Contractor may, upon 15 days' written notice to the Owner and the Engineer, stop work or terminate this Contract and recover from the Owner payment for all acceptable work performed and reasonable termination expenses, unless said default has been remedied.

51. CORRECTION OF DEFECTIVE WORK DURING WARRANTY PERIOD

The Contractor hereby agrees to make, at his own expense, all repairs or replacements necessitated by defects in materials or workmanship, provided under terms of this Contract, and pay for any damage to other works resulting from such defects, which become evident within two (2) year after the date of final acceptance of the work or within two (2) year after the date of substantial completion established by the Engineer for specified items of equipment, or within such longer period as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents. Un-remedied defects identified for correction during the warranty period but remaining after its expiration shall be considered as part of the obligations of the warranty. Defects in material, workmanship, or equipment, which are remedied as a result of obligations of the warranty, shall subject the remedied portion of the work to an extended warranty period of two (2) year after the defect has been remedied.

The Contractor further assumes responsibility for a similar guarantee for all work and materials provided by Subcontractors or manufacturers of packaged equipment components. The effective date for the start of the guarantee or warranty period for equipment qualifying as substantially complete is defined in Article SUBSTANTIAL COMPLETION, AND Article SUBSTANTIAL COMPLETION DATE, in these General Conditions.

The Contractor also agrees to hold the Owner and the Engineer harmless from liability of any kind arising from damage due to said defects. The Contractor shall make all repairs and replacements promptly upon receipt of written order for same from the Owner. If the Contractor fails to make the repairs and replacements promptly, or in an emergency where delay would cause serious risk, or loss, or damage, the Owner may have the defective work corrected or the rejected work removed and replaced, and the Contractor and his Surety shall be liable for the cost thereof.

PROGRESS OF THE WORK

52. BEGINNING OF THE WORK

Following execution of the Contract, the Contractor shall meet with the Owner and Engineer relative to his arrangements for prosecuting the work.

53. SCHEDULES AND PROGRESS REPORTS

Prior to starting the construction, the Contractor shall prepare and submit to the Engineer, a progress schedule showing the dates on which each part or division of the work is expected to be started and finished, and a preliminary schedule for submittals. The progress schedule for submittals shall be brought up to date and submitted to the Engineer at the end of each month or at such other times the Engineer may request.

The Contractor shall forward to the Engineer, at the end of each month, an itemized report of the delivery status of major and critical items of purchased equipment and material, including shop drawings and the status of shop and field fabricated work. These progress reports shall indicate the date of the purchase order, the current percentage of completion, estimated delivery, and cause of delay, if any.

If the completion of any part of the work or the delivery of materials is behind the submitted progress schedule, the Contractor shall submit in writing a plan acceptable to the Owner and Engineer for bringing the work up to schedule.

The Owner shall have the right to withhold progress payments for the work if the Contractor fails to update and submit the progress schedule and reports as specified.

Unless specifically authorized by the Engineer, work shall not be performed during the Goombay Festival, Fantasy Fest, Thanksgiving, or Christmas.

54. PROSECUTION OF THE WORK

It is expressly understood and agreed that the time of beginning, rate of progress, and time of completion of the work are the essence of this Contract. The work shall be prosecuted at such time, and in or on such part or parts of the project as may be required, to complete the project as contemplated in the Contract Documents and the progress schedule.

If the Contractor desires to carry on work at night or outside the regular hours, he shall give timely notice to the Engineer to allow satisfactory arrangements to be made for observing the work in progress.

55. OWNER'S RIGHT TO RETAIN IMPERFECT WORK

If any part or portion of the work completed under this Contract shall prove defective and not in accordance with the Drawings and Specifications, and if the imperfection in the same shall not be of sufficient magnitude or importance as to make the work dangerous or unsuitable, or if the removal of such work will create conditions which are dangerous or undesirable, the Owner shall have the right and authority to retain such work but will make such deductions in the final payment therefore as may be just and reasonable.

55(a). OWNER'S RIGHT TO STOP WORK

If the Contractor or any subcontractor should fail to provide adequate safety provisions required by the Contract Documents, including but not limited to maintenance of traffic,

trench safety devices and procedures, safety fencing, barricading, signage or unsafe work practices, the Owner has the right to issue a Stop Work Notice and stop all construction work at the location with the inadequate safety provisions until such time that adequate safety provisions are in place. The Owner shall not be liable for delays caused by the Contractor's failure to provide and maintain required safety provisions. No extension of time will be granted to the Contractor for delays occurring due to a Stop Work Notice.

56. OWNER'S RIGHT TO DO WORK

Should the Contractor neglect to prosecute the work in conformance with the Contract Documents or neglect or refuse at his own cost to remove and replace work rejected by the Engineer, then the Owner may notify the Surety of the condition, and after ten (10) calendar days' written notice to the Contractor and the Surety, or without notice if an emergency or danger to the work or public exists, and without prejudice to any other right which the Owner may have under Contract, or otherwise, take over that portion of the work which has been improperly or non timely executed, and make good the deficiencies and deduct the cost thereof from the payments then or thereafter due the Contractor.

57. OWNER'S RIGHT TO TRANSFER EMPLOYMENT

If the Contractor should abandon the work or if he should persistently or repeatedly refuse or should fail to make prompt payment to Subcontractors for material or labor, or to persistently disregard laws, ordinances, or to prosecute the work in conformance with the Contract Documents, or otherwise be guilty of a substantial violation of any provision of the Contract or any laws or ordinance, then the Owner may, without prejudice to any other right or remedy, and after giving the Contractor and Surety 10 days' written notice, transfer the employment for said work from the Contractor to the Surety. Upon receipt of such notice, such Surety shall enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the work included under this Contract and employ by Contract or otherwise, any qualified person or persons to finish the work and provide the materials therefore, in accordance with the Contract Documents, without termination of the continuing full force and effect of this Contract. In case of such transfer of employment to such Surety, the Surety shall be paid in its own name on estimates according to the terms hereof without any right of the Contractor to make any claim for the same or any part thereof.

If, after the furnishing of said written notice to the Surety, the Contractor and the Surety still fail to make reasonable progress on the performance of the work, the Owner may terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method he may deem expedient and charge the cost thereof to the Contractor and the Surety. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the expense of completing the Contract, including compensation for additional managerial and administrative services, shall exceed such unpaid balance, the Contractor and the Surety shall pay the difference to the Owner.

58. DELAYS AND EXTENSION OF TIME

If the Contractor is delayed in the progress of the work by any act or neglect of the Owner or the Engineer, or by any separate Contractor employed by the Owner, or by strikes, lockouts, fire, adverse weather conditions not reasonably anticipated, or acts of Nature,

and if the Contractor, within forty-eight (48) hours of the start of the occurrence, gives written notice to the Owner of the cause of the potential delay and estimate of the possible time extension involved, and within ten (10) calendar days after the cause of the delay has been remedied, the Contractor gives written notice to the Owner of any actual time extension requested as a result of the aforementioned occurrence, then the Contract time may be extended by change order for such reasonable time as the Engineer determines. It is agreed that no claim shall be made or allowed for any damages, loss, or expense which may arise out of any delay caused by the above referenced acts or occurrences other than claims for the appropriate extension of time.

No extension of time will be granted to the Contractor for delays occurring to parts of the work that have no measurable impact on the completion of the total work under this Contract. No extension of time will be considered for weather conditions reasonably anticipated for the area in which the work is being performed. Reasonably anticipated weather conditions will be based on official records of monthly precipitation and other historical data. Adverse weather conditions, if determined to be of a severity that would impact progress of the work, may be considered as cause for an extension of Contract completion time.

Delays in delivery of equipment or material purchased by the Contractor or his Subcontractors, including Owner-selected equipment shall not be considered as a just cause for delay, unless the Owner determines that for good cause the delay is beyond the control of the Contractor. The Contractor shall be fully responsible for the timely ordering, scheduling, expediting, delivery, and installation of all equipment and materials.

Within a reasonable period after the Contractor submits to the Owner a written request for an extension of time, the Engineer will present his written opinion to the Owner as to whether an extension of time is justified, and, if so, his recommendation as to the number of days for time extension. The Owner will make the final decision on all requests for extension of time.

59. DIFFERING SITE CONDITIONS

The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Owner and Engineer of:

- A. Subsurface or latent physical conditions at the site which differ materially from those indicated in this contract,
- B. Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The Engineer will investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this Contract, whether or not changed as a result of the conditions, and equitable adjustment shall be made under this Article and the Contract modified in writing accordingly.

No request by the Contractor for an equitable adjustment to the Contract under this Article will be allowed, unless the Contractor has given the written notice required; provided that

the time prescribed above for giving written notice may be extended by the Owner.

No request by the Contractor for an equitable adjustment to the Contract for differing site conditions will be allowed if made after final payment under this Contract.

60. LIQUIDATED DAMAGES

Should the Contractor fail to complete the work, or any part thereof in the time agreed upon in each Work Order or within such extra time as may have been allowed for delays by extensions granted as provided in the Contract, the Contractor shall reimburse the Owner for the additional expense and damage for each calendar day, Sundays, and legal holidays included, that project outlined in each Work Order remains uncompleted after the Work Order completion date. Liquidated damages shall be assessed individually against each Work Order. It is agreed that the amount of such additional expense and damage incurred by reason of failure to complete the work is the per diem rate, as stipulated in the Bid. The said amount is hereby agreed upon as a reasonable estimate of the costs that may be accrued by the Owner after the expiration of the time of completion. It is expressly understood and agreed that this amount is not to be considered in the nature of a penalty, but as liquidated damages that have accrued against the Contractor. The Owner shall have the right to deduct such damages from any amount due, or that may become due the Contractor, or the amount of such damages shall be due and collectible from the Contractor or Surety.

61. OTHER CONTRACTS

The Owner reserves the right to let other Contracts in connection with the work. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate his work with theirs.

If any part of the work under this Contract depends for proper execution or results upon the work of any other Contractor, utility service company or Owner, the Contractor shall inspect and promptly report to the Engineer in writing any patent or apparent defects to deficiencies in such work that render it unsuitable for such proper execution and results. The Contractor's failure to so report shall constitute and acceptance of the work by others as being fit and proper for integration with work under this Contract, except for latent or non apparent defects and deficiencies in the work.

62. USE OF PREMISES

The Contractor shall confine his equipment, the storage of materials and the operation of his workers to limits shown on the Drawings or indicated by law, ordinances, permits, or directions of the Engineer, and shall not unreasonably encumber the premises with his materials. The Contractor shall provide, at his own expense, the necessary rights-of-way, and access to the work, which may be required outside the limits of the Owner's property and shall furnish the Engineer copies of permits and agreements for use of the property outside that provided by the Owner.

The Contractor shall not load nor permit any part of the structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the work or adjacent property to stresses or pressures that will endanger it.

63. SUBSTANTIAL COMPLETION DATE

The Engineer may issue a written notice of substantial completion for the purpose of establishing the starting date for specific equipment guarantees, and to establish the date that the Owner will assume the responsibility for the cost of operating such equipment. Said notice shall not be considered as final acceptance of any portion of the work or relieve the Contractor from completing the remaining work within the specified time and in full compliance with the Contract Documents. See SUBSTANTIAL COMPLETION under DEFINITIONS of these General Conditions.

64. PERFORMANCE TESTING

Operating equipment and systems shall be performance tested in the presence of the Engineer to demonstrate compliance with the specified requirements. Performance testing shall be conducted under the specified design operating conditions or under such simulated operating conditions as recommended or approved by the Engineer. Such testing will be scheduled with the Engineer at least one week in advance of the planned date for testing.

65. OWNER'S USE OF PORTIONS OF THE WORK

Following issuance of the written notice of Substantial Completion, the Owner may initiate operation of the facility. Such use shall not be considered as final acceptance of any portion of the work, nor shall such use be considered as cause for an extension of the Contract completion time, unless authorized by a Change Order issued by the Owner.

66. CUTTING AND PATCHING

The Contractor shall do all cutting, fitting, or patching of his work that may be required to make its several parts come together properly and fit it to receive or be received by work of other Contractors shown upon or reasonably implied by the Drawings.

67. CLEANING UP

The Contractor shall, at all times, keep property on which work is in progress and the adjacent property free from accumulations of waste material or rubbish caused by employees or by the work. Upon completion of the construction, the Contractor shall remove all temporary structures, rubbish, and waste materials resulting from his operations.

PAYMENT

68. PAYMENT FOR CHANGE ORDERS

The Owner's request for quotations on alterations to the work shall not be considered authorization to proceed with the work prior to the issuance of a formal Change Order, nor shall such request justify any delay in existing work. Quotations for alterations to the work shall include substantiating documentation with an itemized breakdown of Contractor and Subcontractor costs, including labor, material, rentals, approved services, overhead, and profit. Owner may require detailed cost data in order to substantiate the reasonableness of the proposed costs.

Any compensation paid in conjunction with the terms of a Change Order shall comprise total compensation due the Contractor for the work or alteration defined in the Change Order. By signing the Change Order, the Contractor acknowledges that the stipulated compensation includes payment for the work or alteration plus all payment for the interruption of schedules, extended overhead, delay, or any other impact claim or ripple effect, and by such signing specifically waives any reservation or claim for additional compensation in respect to the subject Change Order.

At the Owner's option, payment or credit for any alterations covered by a Change Order shall be determined by one or a combination of the methods set forth in A, B, or C below, as applicable:

A. UNIT PRICES

Those unit prices stipulated in the Bid shall be utilized where they are applicable. In the event the Change Order results in a change in the original quantity that is materially and significantly different from the original Bid quantity, a new unit price shall be negotiated upon demand of either party. Unit prices for new items included in the Change Order shall be negotiated and mutually agreed upon.

B. LUMP SUM

A total lump sum for the work negotiated and mutually acceptable to the Contractor and the Owner.

Lump sum quotations for modifications to the work shall include substantiating documentation with an itemized breakdown of Contractor and Subcontractor costs, including labor, material, rentals, approved services, overhead, and profit, all calculated as specified under "C" below.

C. COST REIMBURSEMENT WORK

The term "cost reimbursement" shall be understood to mean that payment for the work will be made on a time and expense basis, that is, on an accounting of the Contractor's forces, materials, equipment, and other items of cost as required and used to do the work.

If the method of payment cannot be agreed upon prior to the beginning of the work, and the Owner directs by written Change Order that the work be done on a cost reimbursement basis, then the Contractor shall furnish labor, and furnish and install equipment and materials necessary to complete the work in a satisfactory manner and within a reasonable period of time. For the work performed, payment will be made for the documented actual cost of the following:

1. Labor including foremen for those hours they are assigned and participating in the cost reimbursement work (actual payroll cost, including wages, fringe benefits as established by negotiated labor agreements, labor insurance, and labor taxes as established by law). No other fixed labor burdens will be considered, unless approved in writing by the Owner.
2. Material delivered and used on the designated work, including sales tax, if paid by the Contractor or his Subcontractor.

3. Rental, or equivalent rental cost of equipment, including necessary transportation for items having a value in excess of one hundred (100) dollars.

Rental or equivalent rental cost will be allowed for only those days or hours during which the equipment is in actual use. Rental and transportation allowances shall not exceed the current rental rates prevailing in the locality. The rentals allowed for equipment will, in all cases, be understood to cover all fuel, supplies, repairs, and renewals, and no further allowances will be made for those items, unless specific agreement to that effect is made.

4. Additional bond, as required and approved by the owner.
5. Additional insurance (other than labor insurance) as required and approved by the Owner.

In addition to items 1 through 5 above, an added fixed fee for general overhead and profit shall be negotiated and allowed for the Contractor (or approved Subcontractor) actually executing the Cost Reimbursement work.

An additional fixed fee shall be negotiated and allowed the Contractor for the administrative handling of portions of the work that are executed by an approved Subcontractor. No additional fixed fee will be allowed for the administrative handling of work executed by a Subcontractor of a Subcontractor, unless by written permission from the Owner.

The added fixed fees shall be considered to be full compensation, covering the cost of general supervision, overhead, profit, and any other general expense. The Contractor's records shall make clear distinction between the direct costs of work paid for on a cost reimbursement basis and the costs of other work. The Contractor shall furnish the Engineer report sheets in duplicate of each day's cost reimbursement work no later than the working day following the performance of said work. The daily report sheets shall itemize the materials used, and shall cover the direct cost of labor and the charges for equipment rental, whether furnished by the Contractor, Subcontractor or other forces. The daily report sheets shall provide names or identifications and classifications of workers, the hourly rate of pay and hours worked, and also the size, type, and identification number of equipment and hours operated.

Valid copies of vendors' invoices shall substantiate material charges. Such invoices shall be submitted with the daily report sheets, or, if not available, they shall be submitted with subsequent daily report sheets. Said daily report sheets shall be signed by the Contractor or his authorized agent.

The Owner reserves the right to furnish such materials and equipment as he deems expedient and the Contractor shall have no claim for profit or added fees on the cost of such materials and equipment. To receive partial payments and final payment for cost reimbursement work, the Contractor shall submit to the Engineer, detailed and complete documented verification of the Contractor's and any of his Subcontractors' actual costs involved in the cost reimbursement work. Such costs shall be submitted within 30 days after said work has been performed.

69. PARTIAL PAYMENTS

A. GENERAL

Nothing in this Article shall be construed to affect the right, hereby reserved, to reject the whole or any part of the aforesaid work, should such work be later found not to comply with the provisions of the Contract Documents. All estimated quantities of work for which partial payments have been made are subject to review and correction on the final estimate. Payment by the Owner and acceptance by the Contractor of partial payments based on periodic estimates of quantities of work performed shall not, in any way, constitute acceptance of the estimated quantities used as a basis for computing the amounts of the partial payments.

B. ESTIMATE

No more than once each month, the Contractor shall submit to the Engineer a detailed estimate of the amount earned during the preceding month for the separate portions of the work, and request payment. As used in this Article, the words "amount earned" means the value, on the date of the estimate for partial payment, of the work completed in accordance with the Contract Documents, and the value of approved materials delivered to the project site suitably stored and protected prior to incorporation into the work.

The Owner will make payment to the Contractor within forty five (45) calendar days upon receipt of the written recommendation of payment from the Engineer.

The Engineer will, within seven (7) calendar days after receipt of each request for payment, both indicate in writing a recommendation of payment and present the request to Owner, or return the request to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may, within seven (7) calendar days, make the necessary corrections and resubmit the request.

Engineer may refuse to recommend the whole or any part of any payment if, in his opinion, it would be incorrect to make such representations to Owner. Engineer may also refuse to recommend any such payment, or, because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously recommended to such an extent as may be necessary in Engineer's opinion to protect the Owner from loss because:

1. The work is defective, or completed work has been damaged requiring correction or replacement.
2. Written claims have been made against Owner or Liens have been filed in connection with the work.
3. The Contract Price has been reduced because of Change Orders.
4. Owner has been required to correct defective work or complete the work

in accordance with Article OWNER'S RIGHT TO DO WORK;

5. Of Contractor's unsatisfactory prosecution of the work in accordance with the Contract Documents; or
6. Contractor's failure to make payment to Subcontractors or for labor, materials, or equipment.

C. DEDUCTION FROM ESTIMATE

Unless modified in the Supplementary Conditions, deductions from the estimate will be as described below:

1. The Owner will deduct from the estimate, and retain as part security, ten (10) percent of the amount earned for work satisfactorily completed. A deduction and retainage of ten (10) percent will be made on the estimated amount earned for approved items of material delivered to and properly stored at the jobsite but not incorporated into the work. When the work is fifty (50) percent complete, the Owner may reduce the retainage to five (5) percent of the dollar value of all work satisfactorily completed to date provided the Contractor is making satisfactory progress and there is no specific cause for a greater retainage. The Owner may reinstate the retainage up to ten (10) percent if the Owner determines, at his discretion, that the Contractor is not making satisfactory progress or where there is other specific cause for such withholding.

D. QUALIFICATION FOR PARTIAL PAYMENT FOR MATERIALS DELIVERED

Unless modified in the Supplementary Conditions, qualification for partial payment for materials delivered but not yet incorporated into the work shall be as described below:

1. Materials, as used herein, shall be considered to be those items that are fabricated and manufactured material and equipment. No consideration shall be given to individual purchases of less than two hundred (200) dollars for any one item.
2. To receive partial payment for materials delivered to the site, but not incorporated in the work, it shall be necessary for the Contractor to include a list of such materials on the Partial Payment Request. At his sole discretion, the Engineer may approve items for which partial payment is to be made. Partial payment shall be based on the Contractor's actual cost for the materials as evidenced by invoices from the supplier. Proper storage and protection shall be provided by the Contractor, and as approved by the Engineer. Final payment shall be made only for materials actually incorporated in the work and, upon acceptance of the work, all materials remaining for which advance payments had been made shall revert to the Contractor, unless otherwise agreed, and partial payments made for these items shall be deducted from the final payment for the work.

3. Contractor warrants and guarantees that title to all work, materials, and equipment covered by any Application for Payment, whether incorporated in the project or not, will pass to Owner at the time of payment free and clear of all liens, claims, security interests, and encumbrances.
4. If requested by the Engineer, the Contractor shall provide, with subsequent pay requests, invoices receipted by the supplier showing payment in full has been made.

E. PAYMENT

After deducting the retainage and the amount of all previous partial payments made to the Contractor from the amount earned, the amount due will be made payable to the Contractor. Recommendations for payment received by the Owner less than forty five (45) calendar days prior to the scheduled day for payment will not be processed or paid until the following month.

70. CLAIMS FOR EXTRA WORK

In any case where the Contractor deems additional time or compensation will become due him under this Contract for circumstances other than those defined in Article DELAYS AND EXTENSION OF TIME, the Contractor shall notify the Engineer, in writing, of his intention to make claim for such time or compensation before he begins the work on which he bases the claim, in order that such matters may be settled, if possible, or other appropriate action taken. The notice of claim shall be in duplicate, in writing, and shall state the circumstances and the reasons for the claim, but need not state the amount. If such notification is not given, or if the Engineer is not afforded proper facilities by the Contractor for keeping strict account of actual costs, then the Contractor hereby agrees to waive the claim for such additional time or compensation. Such notice by the Contractor, and fact that the Engineer has kept account of the cost as aforesaid, shall not in any way be construed as proving the validity of the claim.

No extension of time will be granted to the Contractor for delays resulting from extra work that have no measurable impact on the completion of the total Work under this Contract. Claims for additional time or compensation shall be made in itemized detail and submitted, in writing, to the Owner and Engineer within ten (10) calendar days following completion of that portion of the work for which the Contractor bases his claim. Failure to make the claim for additional compensation in the manner and within the time specified above shall constitute waiver of that claim. In case the claim is found to be just, it shall be allowed and paid for as provided in Article PAYMENT FOR CHANGE ORDERS.

71. RELEASE OF LIENS OR CLAIMS

The Contractor shall indemnify and hold harmless the Owner from all claims for labor and materials furnished under this Contract. Prior to the final payment, the Contractor shall furnish to the Owner, as part of his final payment request, a certification that all of the Contractor's obligations on the project have been satisfied and that all monetary claims and indebtedness have been paid. The Contractor shall furnish complete and legal effective releases or waivers, satisfactory to the Owner, of all liens arising out of or filed in connection with the work.

72. FINAL PAYMENT

Upon completion of the work, the Contractor shall notify the Engineer, in writing, that he has completed it and shall request final payment for that Work Performed. The Contractor shall be responsible for keeping an accurate and detailed record of his actual construction. Upon completion of construction and before final acceptance and payment, the Contractor shall furnish the Engineer record drawings (if applicable) of his construction. Upon receipt of a request for final payment and the record drawings, the Engineer will inspect and, if acceptable, submit to the Owner his recommendation as to acceptance of the completed work and as to the final estimate of the amount due the Contractor. Upon approval of this final estimate by the Owner and compliance by the Contractor with provisions in Article 71. **RELEASE OF LIENS OR CLAIMS**, and other provisions as may be applicable, the Owner shall pay to the Contractor all monies due him under the provisions of these Contract Documents.

73. NO WAIVER OF RIGHTS

Neither the inspection by the Owner, through the Engineer or any of his employees, nor any order by the Owner for payment of money, nor any payment for, or acceptance of, the whole or any part of the work by the Owner or Engineer, nor any extension of time, nor any possession taken by the owner or its employees, shall operate as a waiver of any provision of this Contract, or any power herein reserved to the Owner, or any right to damages herein provided, nor shall any waiver of any breach in this Contract be held to be a waiver of any other or subsequent breach. Acceptance or final payment shall not be final and conclusive with regards to latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Owner's rights under the warranty.

74. ACCEPTANCE OF FINAL PAYMENT CONSTITUTES RELEASE

The acceptance by the Contractor of the final payment shall release the Owner and the Engineer, as representatives of the Owner, from all claims and all liability to the Contractor for all things done or furnished in connection with the work, and every act of the Owner and others relating to or arising out of the work except claims previously made in writing and still unsettled. No payment, however, final or otherwise, shall operate to release the Contractor or his Sureties from obligations under this Contract and the Performance Bond, Payment Bond, and other bonds and warranties, as herein provided.

SUPPLEMENTARY CONDITIONS

The General Conditions are hereby revised as follows:

ARTICLE 9 “ENGINEER”

Delete Article “ENGINEER” in its entirety and substitute the following:

The person or organization identified as such in the Contract Documents. The Term “ENGINEER” means “OWNER” or his authorized representative.

ARTICLE 34 "INSURANCE & LIABILITY”

Delete Articles 34A, 34B and 34C and substitute the following:

CONTRACTOR is to secure, pay for, and file with the City of Key West, prior to commencing any work under the Contract, all certificates for workers’ compensation, public liability, and property damage liability insurance, and such other insurance coverages as may be required by specifications and addenda thereto, in at least the following minimum amounts with specification amounts to prevail if greater than minimum amounts indicated. Notwithstanding any other provision of the Contract, the CONTRACTOR shall provide the minimum limits of liability insurance coverage as follows:

	Auto Liability	\$1,000,000	Combined Single Limit
	General Liability	\$2,000,000	Aggregate (Per Project)
		\$2,000,000	Products Aggregate
		\$1,000,000	Any One Occurrence
		\$1,000,000	Personal Injury
		\$ 300,000	Fire Damage/Legal
Additional Umbrella Liability		\$1,000,000	Occurrence / Aggregate

CONTRACTOR shall furnish an original Certificate of Insurance indicating, and such policy providing coverage to, City of Key West named as an additional insured on a PRIMARY and NON CONTRIBUTORY basis utilizing an ISO standard endorsement at least as broad as CG 2010 (11/85) or its equivalent, (combination of CG 20 10 07 04 and CG 20 37 07 04, providing coverage for completed operations, is acceptable) including a waiver of subrogation clause in favor of City of Key West on all policies. CONTRACTOR will maintain the General Liability and Umbrella Liability insurance coverages summarized above with coverage continuing in full force including the additional insured endorsement until at least 3 years beyond completion and delivery of the work contracted herein.

Notwithstanding any other provision of the Contract, the CONTRACTOR shall maintain complete workers’ compensation coverage for each and every employee, principal, officer, representative, or agent of the CONTRACTOR who is performing any labor, services, or material under the Contract. Further, CONTRACTOR shall additionally maintain the following minimum limits of coverage:

Bodily Injury Each Accident	\$1,000,000
Bodily Injury by Disease Each Employee	\$1,000,000

Bodily Injury by Disease Policy Limit \$1,000,000

If the work is being done on or near a navigable waterway, CONTRACTOR's workers compensation policy shall be endorsed to provide USL&H Act (WC 00 01 06 A) and Jones Act (WC 00 02 01 A) coverage if specified by the City of Key West. CONTRACTOR shall provide the City of Key West with a Certificate of Insurance verifying compliance with the workman's compensation coverage as set forth herein and shall provide as often as required by the City of Key West such certification which shall also show the insurance company, policy number, effective and expiration date, and the limits of workman's compensation coverage under each policy.

CONTRACTOR's insurance policies shall be endorsed to give 30 days' written notice to the City of Key West in the event of cancellation or material change, using form CG 02 24, or its equivalent.

Certificates of Insurance submitted to the City of Key West will not be accepted without copies of the endorsements being requested. This includes additional insured endorsements, cancellation/material change notice endorsements, and waivers of subrogation. Copies of USL&H Act and Jones Act endorsements will also be required if necessary. PLEASE ADVISE YOUR INSURANCE AGENT ACCORDINGLY.

CONTRACTOR will comply with any and all safety regulations required by any agency or regulatory body including but not limited to OSHA. CONTRACTOR will notify City of Key West immediately by telephone at (305) 809-3963 any accident or injury to anyone that occurs on the jobsite and is related to any of the work being performed by the CONTRACTOR.

Add the following Article:

G. SURETY AND INSURER QUALIFICATIONS

All bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or insurance company, having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of Florida. Further, the said Surety or Insurance Company shall be duly licensed and qualified to do business in the State of Florida. If requested, Contractor shall Provide Proof of Florida Licensure for all insurance companies. The City of Key West shall be named as Additional Insured on the insurance certificates.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – AUTOMATIC STATUS WHEN
REQUIRED IN CONSTRUCTION AGREEMENT WITH YOU**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

- A. Section II – Who Is An Insured** is amended to include as an additional insured any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:
1. Your acts or omissions; or
 2. The acts or omissions of those acting on your behalf;
- in the performance of your ongoing operations for the additional insured.
- A person's or organization's status as an additional insured under this endorsement ends when your operations for that additional insured are completed.
- B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:**
- This insurance does not apply to:
1. "Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:
 - a. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - b. Supervisory, inspection, architectural or engineering activities.
 2. "Bodily injury" or "property damage" occurring after:
 - a. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
 - b. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 37 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**EARLIER NOTICE OF CANCELLATION
PROVIDED BY US**

Number of Days Notice 30

For any statutorily permitted reason **other than nonpayment of premium**, the number of days required for notice of cancellation is increased to the number of days shown in the Schedule above.

If this policy is cancelled by us we will send the Named Insured and any party listed in the following schedule notice of cancellation based on the number of days notice shown above.

Schedule

Name of Person or Organization

Mailing Address

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 24 04 05 09

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph 8. **Transfer Of Rights Of Recovery Against Others To Us** of Section IV – Conditions:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement
Insured

Effective Policy No.

Endorsement No.
Premium

Insurance Company

Countersigned by _____

WC 00 03 13
(Ed. 4-84)

ARTICLE 35 "INDEMNITY"

Delete "INDEMNITY" in its entirety and substitute the following:

INDEMNITY

To the fullest extent permitted by law, the CONTRACTOR expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONTRACTOR's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any. The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

ARTICLE 39 "CODES, ORDINANCES, PERMITS, AND LICENSES"

Add the following:

A. PERMIT FOR WORK WITHIN LOCAL RIGHTS-OF-WAY

The Contractor shall obtain from the City of Key West the necessary permits for work within the rights-of-way. The Contractor shall abide by all regulations and conditions, including maintenance of traffic.

B. NOISE ORDINANCE

City of Key West has a noise ordinance that allows working hours between 8:00 AM to 7:00 PM, Monday through Friday. No work should be performed during weekends or City Holidays, State Holidays and National Holidays. Any construction operations outside these hours and these days will require a variance from the City of Key West Commission.

C. "LICENSES"

THE PROPOSER MUST BE A LICENSED CONTRACTOR BY THE STATE OF FLORIDA AND SUBMIT PROOF OF SUCH WITH THE BID.

1. Within 10 days of Notice of Award, the successful Proposer must represent that he holds all applicable, county, and City of Key West licenses and permits required to do business as a contractor with respect to the work described in the Contract Documents.
2. Further, the successful Proposer must, within 10 days of Notice of Award, furnish documentation showing that, as a minimum, he has complied with the provisions of Chapter 18 of the Code of Ordinances of the City of Key West in order to enter into the Agreement contained in the Contract Documents.
3. Specifically, within 10 days after Notice of Award, the successful Proposer must demonstrate that he holds, as a minimum, the following licenses and certificates:
 - a. City of Key West Tax License Receipt;
 - b. A valid Certificate of Competency issued by the Chief Building Official of Key West, Florida
 - c. A valid occupational license issued by the City of Key West, Florida.

D. WORK DURING HOLIDAYS

There shall be no work during City Holidays, State Holidays and National Holidays. Any construction operations during these days shall be approved by the City of Key West.

ARTICLE 40 "SUPERINTENDENCE"

Add the following sub article:

The CONTRACTOR shall keep at the project site, competent supervisory personnel, able to read, write and speak English to effectively communicate with City staff.

ARTICLE 42 "SAFETY"

Add the following sub article:

OCCUPATIONAL SAFETY AND HEALTH

The Contractor shall observe and comply with all applicable local, state, and federal occupational safety and health regulations during the prosecution of work under this Contract. In addition, full compliance by the Contractor with the U.S. Department of Labor's Occupational Safety and Health Standards, as established in Public Law 91-596, will be required under the terms of this Contract.

ARTICLE 43 "PROTECTION OF WORK AND PROPERTY"

Add the following Article:

HISTORIC PRESERVATION

The Contractor shall comply with Florida's Archives and Historic Act (Florida Statutes, Chapter 267) and the regulations of the local historic preservation board as applicable and protect against the potential loss or destruction of significant historical or archaeological data, sites, and properties in connection with the project.

ARTICLE 57 "OWNERS RIGHT TO TRANSFER EMPLOYMENT"

Add the following Article:

TERMINATION FOR CONVENIENCE AND RIGHT OF SUSPENSION

- A. Owner shall have the right to terminate this Contract without cause by written notice of Termination to the Contractor. In the event of such termination for convenience, the Contractor's recovery against the Owner shall be limited to that portion of the Contract amount earned through the date of termination, together with any retainage withheld and reasonable termination expenses incurred. Contractor shall not be entitled to any other or further recovery against the Owner, including, but not limited to, damages or any anticipated profit on portions of the Work not performed.
- B. The Owner shall have the right to suspend all or any portions of the Work upon giving the Contractor prior written notice of such suspension. If all or any portion of the Work is so suspended, the Contractor shall be entitled to reasonable costs, expenses and time extension associated with the suspension.

ARTICLE 60 "LIQUIDATED DAMAGES"

Delete Article "LIQUIDATED DAMAGES" in its entirety and substitute the following:
LIQUIDATED DAMAGES

Should the Contractor fail to complete the work or any part thereof in the time agreed upon in the Contract Documents or within such extra time as may have been allowed for delays by extensions granted as provided in the Contract, the Contractor shall reimburse the Owner for the additional expense and damage for each calendar day, Sundays and legal holidays included, that project outlined in Contract Documents remains uncompleted after the completion date. Liquidated damages shall be assessed. It is agreed that the amount of such additional expense and damage incurred by reason of failure to complete the work is the per diem rate as stipulated in the Proposal. The said amount is hereby agreed upon as a reasonable estimate of the costs which may be accrued by the Owner after the expiration of the time of completion. It is expressly understood and agreed that this amount is not to be considered in the nature of a penalty but as liquidated damages, which have accrued against the Contractor. The Owner shall have the right to deduct such damages from any amount due or that may become due the Contractor or the amount of such damages shall be due and collectible from the Contractor or Surety.

ARTICLE 68 "PAYMENT"

Sub article C. "COST REIMBURSEMENT WORK"

Delete the third & fourth paragraph in its entirety & substitute the following;

In addition to 1 through 5 above , an added fixed fee of 15 percent (%) for general overhead & profit shall be allowed for the CONTRACTOR (or approved SUBCONTRACTOR) actually executing the Cost Reimbursement work.

An additional fixed fee of 5 % will be allowed the CONTRACTOR for the administrative handling of portions of the work that are executed by an approved SUBCONTRACTOR. No additional fixed fee will be allowed for the administrative handling of work executed by the SUBCONTRACTOR of a SUBCONTRACTOR.

ARTICLE 69 "PARTIAL PAYMENTS"

Delete the first paragraph of Sub article B. "ESTIMATE" and substitute the following:

No more than once each month the Contractor shall submit to the Engineer a detailed estimate of the amount earned during the preceding month for the separate portions of the work and request payment. As used in this Article the words "amount earned" means the value, on the date of the estimate, for partial payment of the work completed in accordance with the Contract Documents and the value of approved materials delivered to the project site suitably stored and protected prior to incorporation into the work. Payment will be made by the Owner to the Contractor within 40 days receipt of the written recommendation of payment from the Engineer.

Sub Article C. "DEDUCTION FROM ESTIMATE"

Delete third sentence in its entirety and substitute add the following;

1. When the work is 90 per cent complete, the OWNER may reduce the retainage to 5 percent of the dollar value of all work satisfactorily completed to date provided the CONTRACTOR is making satisfactory progress and there is no specific cause for greater retainage.

Delete Sub article E. "PAYMENT" in its entirety and substitute the following:

After deducting the retainage and the amount of all previous partial payments made to the Contractor from the amount earned the amount due will be made payable to the Contractor. Recommendations for payment received by the Owner less than 40 days prior to the scheduled day for payment will not be processed or paid until the following month.

ARTICLE 72 "FINAL PAYMENT"

Delete Article "FINAL PAYMENT" in its entirety and substitute the following:

FINAL PAYMENT

Upon completion of the work the Contractor shall notify the Engineer, in writing, that he has completed it and shall request final payment. The Contractor shall be responsible for keeping an accurate and detailed record of his actual construction. Upon completion of construction and before final acceptance and payment the Contractor shall furnish the Engineer as-built drawings of his construction. Upon receipt of a request for final payment and the as-built drawings the Engineer will inspect and, if acceptable, submit to the Owner his recommendation as to acceptance of the completed work and as to the final estimate of the amount due the Contractor. Upon approval of this final estimate by the Owner and compliance by the Contractor with provisions in Article RELEASE OF LIENS OR CLAIMS, and other provisions as may be applicable, the Owner shall pay to the Contractor all monies due him under the provisions of these Contract Documents.

ARTICLE 72 "FINAL PAYMENT"

Add the following;

A. Acceptance and Final Payment

Whenever the Contractor has completely performed the work provided for under the Contract and the Engineer has performed a final inspection and made final acceptance and subject to the terms of the Engineer will prepare a final estimate showing the value of the work as soon as the Engineer makes the necessary measurements and computations. The Engineer will correct all prior estimates and payments in the final estimate and payment. The OWNER will pay the estimate, less any sums that the OWNER may have deducted or retained under the provisions of the Contract, as soon as practicable after final acceptance of the work, provided the Contractor has met the requirements of (1) through (8) below.

- 1 The Contractor has agreed in writing to accept the balance due or refund the overpayment, as determined by the OWNER, as full settlement of his account under the Contract and of all claims in connection therewith, or the Contractor, accepted the balance due or refunded the overpayment, as determined by the OWNER, with the stipulation that his acceptance of such payment or the making of such refund does not constitute any bar, admission, or estoppel, or have any effect as to those payments in dispute or the subject of a pending claim between the Contractor and the OWNER. To receive payment based on a FINAL PAYMENT CERTIFICATE, The Contractor further agrees, by submitting a FINAL PAYMENT CERTIFICATE that any pending or future arbitration claim or suit is limited to those particulars, including the itemized amounts, defined in the original FINAL PAYMENT CERTIFICATE , and that he will commence with any such arbitration claim or suit within 15 calendar days from and after the time of final PAYMENT of the work and that his failure to file a formal claim within this period constitutes his full acceptance of the Engineer's final

estimate and payment. The overpayment refund check from the Contractor, if required, will be considered a part of any Acceptance Letter executed.

- 2 The Contractor has properly maintained the project, as specified hereinbefore.
- 3 The Contractor has furnished a sworn affidavit to the effect that the Contractor has paid all bills and no suits are pending (other than those exceptions listed, if any) in connection with work performed under the Contract and that the Contractor has not offered or made any gift or gratuity to, or made any financial transaction of any nature with, any employee of the OWNER in the performance of the Contract.
- 4 The surety on the contract bond consents, by completion of their portion of the affidavit and surety release subsequent to the Contractor's completion of his portion, to final payment to the Contractor and agrees that the making of such payment does not relieve the surety of any of its obligations under the bond.
- 5 The Contractor has furnished all required mill tests and analysis reports to the Engineer.
- 6 Final payment will not be released until the City receives Certified As-built drawings in Auto Cad & adobe format as well as:

As-Built Drawing Standards:

All supplied data collections, as-builts, drawings and files to be compatible with esri ArcGIS 10.2.2 Software. The current computing environment consists of:

- Microsoft SQL Server - Windows 7/Server 2008 - ESRI GIS Platform

Interfaces and Integrations:

The City of Key West uses a number of software applications critical to its core operation and mission. The proposed mobile asset data collection solution will need to interface or integrate with these existing platforms. - Arc Collector-ArcGIS Online - ArcMap 10.2

If there are any questions or concerns on whether your files meet this request. Please contact the City of Key West GIS department. 305-809-3721.

END OF SECTION

PART 4

**GENERAL REQUIREMENTS &
SCOPE OF WORK**

SECTION 01001
GENERAL REQUIREMENTS

PART 1 - GENERAL

1.1 PROJECT DESCRIPTION

- A. The following information though not all-inclusive, is given to assist Contractors in the evaluation of the work required to meet the project objectives.
- B. A brief description of the work is stated in the Invitation to Bid. To determine the full scope of the project or of any particular part of the project, coordinate the applicable information in the several parts of these Contract Documents.

1.2 FDOT SPECIFICATIONS

- A. Portions of The Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction and their Roadway and Traffic Design Standards, hereinafter referred to as the DOT Specifications, are referred to herein and amended, in part, and the same are hereby made a part of this Contract to the extent of such references and shall be as binding upon the Contract as though reproduced herein. Such reference shall mean the current edition, including all supplements. In case of a conflict in the requirements of the DOT Specifications and the requirements stated herein, the requirements herein shall prevail.

1.3 MOBILIZATION AND DEMOBILIZATION

- A. Contractor shall be responsible for mobilization and demobilization of labor, materials and equipment. Payment for mobilization and demobilization will be included in the lump sum price indicated in the BID.

B. DAILY REPORTS

- 1) The CONTRACTOR shall submit daily reports of construction activities, including non-work days. The report shall include:
 - a) Manpower, number of men by craft, including subcontractors
 - b) Quality Control
 - c) Equipment on the Project
 - d) Major deliveries
 - e) Activities worked with reference to the Work Order items
 - f) New problems
 - g) Other pertinent information
- 2) The reports shall be submitted to the ENGINEER each week.

1.4 SCHEDULING

- A. Plan the work and carry it out with minimum interference to the operation of the existing facilities. Prior to starting the work, confer with the Engineer and Owner's project manager to develop an approved work schedule, which will permit the facilities to function as

normally as practical. It may be necessary to do certain parts of the work outside normal working hours in order to avoid undesirable conditions. The Contractor shall do this work at such times and at no additional cost to the Owner.

- B. CONTRACTOR shall notify all residents and proprietors adjacent to construction site of work to be performed, more specifically the notice shall state the day and time construction will begin, the name and phone number of the Contractor's representative responsible for the completion of the proposed improvements. Notice shall also include the Owner's representative for the project

1.5 COORDINATION

- A. Contractors shall cooperate in the coordination of their separate activities in a manner that will provide the least interference with the Owner's operations and other contractors and utility companies working in the area, and in the interfacing and connection of the separate elements of the overall project work.
- B. If any difficulty or dispute should arise in the accomplishment of the above, the problem shall be brought immediately to the attention of the Engineer.

1.6 WORK TO BE PERFORMED BY OTHERS

- A. During the construction period for this project, the Owner (either with his own forces or under a separate contract) may be performing work that may require the cooperation of the Contractors in scheduling and coordination to avoid conflicts.
- B. If any difficulty or dispute should arise in the accomplishment of the above, the problem shall be brought immediately to the attention of the Engineer.
- C. All Contractors working on this site are subject to this requirement for cooperation, and all shall abide by the Engineer's decision in resolving project coordination problems without additional cost to the Owner.

1.7 SITE INVESTIGATION AND REPRESENTATION

- A. The Contractor acknowledges satisfaction as to the nature and location of the work, the general and local conditions, particularly those bearing upon availability of transportation, access to the site, disposal, handling and storage of materials, availability of labor, water, electric power, roads, and uncertainties of weather, or similar physical conditions at the site, the conformation and conditions of the ground, the character of equipment and facilities needed preliminary to and during the prosecution of the work, and all other matters which can any way affect the work or the cost thereof under this Contract.
- B. The Contractor further acknowledges satisfaction as to character, quality, and quantity of surface and subsurface materials to be encountered from his inspection of the site and from reviewing any available records of exploratory work furnished by the Owner or included in these Documents. Failure by the Contractor to become acquainted with the physical conditions of the site and all available information will not relieve the Contractor from

responsibility for properly estimating the difficulty or cost of successfully performing the work.

- C. The Contractor warrants that as a result of examination and investigation of all the aforesaid data, the contractor can perform the work in a good and workmanlike manner and to the satisfaction of the Owner.
- D. The Owner assumes no responsibility for any representations made by any of its officers or agents during or prior to the execution of this Contract, unless (1) such representations are expressly stated in the Contract, and (2) the Contract expressly provides that the responsibility therefore is assumed by the Owner.

1.8 INFORMATION ON SITE CONDITIONS

- A. General: Any information obtained by the Engineer regarding site conditions, subsurface information, water level, existing construction of site facilities as applicable, and similar data will be available for inspection at the office of the Engineer upon request. Such information is offered as supplementary information only. Neither the Engineer nor the Owner assumes any responsibility for the completeness or interpretation of such supplementary information.

1.9 DIFFERING SUBSURFACE CONDITIONS

- A. The Engineer shall investigate such conditions promptly and following this investigation, the Contractor shall proceed with the work, unless otherwise instructed by the Engineer. If the Engineer finds that such conditions do so materially differ and cause an increase or decrease in the cost of, or in the time required for performing the work, the Engineer will recommend to the Owner the amount of adjustment in cost and time he considers reasonable. The Owner will make the final decision on all Change Orders to the Contract regarding any adjustment in cost or time for completion.

1.10 UTILITIES

- A. During excavation the Contractor shall be responsible for determining, at his cost, the locations of all known utilities in the project area.
- B. Contractor shall notify utility location service (e.g. Call Sunshine 1-800-432-4770) a minimum for 48 hours prior to work order mobilization. Assigned notification number shall be maintained at the job site at all times and recorded in the daily reports.

1.11 CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTIES AND SERVICE

- A. Where the Contractor's operations could cause damage or inconvenience to telephone, television, gas, water, sewer, or irrigation systems, the operations shall be suspended until all arrangements necessary for the protection of these utilities and services have been made by the Contractor.
- B. Notify all utility offices, which are affected by the construction operation at least 48 hours in advance. Under no circumstances expose any utility without first obtaining permission

from the appropriate agency. Once permission has been granted, locate, expose, and provide temporary support for all existing underground utilities.

- C. The Contractor shall be solely and directly responsible to the Owner and operators of such properties for any damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of any injuries or damage which may result from the construction operations under this Contract
- D. Neither the Owner nor its Officers or agents shall be responsible to the Contractor for damages as a result of the Contractor's failure to protect utilities encountered in the work.
- E. In the event of interruption to domestic water, sewer, storm drain, or other utility services as a result of accidental breakage due to construction operations, promptly notify the proper authority. Cooperate with said authority in restoration of service as promptly as possible and bear all costs of repair. In no case shall interruption of any water or utility service be allowed to exist outside working hours unless prior approval is granted.
- F. In the event the Contractor encounters water service lines that interfere with trenching, he may, by obtaining prior approval of the property owner, Florida Keys Aqueduct Authority (FKAA), or Fire Department as applicable, and the ENGINEER, cut the service dig through, and restore service with similar and equal materials at the Contractor's expense.
- G. The Contractor shall replace, at his own expense, all existing utilities or structures removed or damaged during construction, unless otherwise provided for in these Contract Documents or ordered by the Engineer.

1.12 TEMPORARY WATER

- A. The Contractor shall make his own arrangements to obtain suitable water for any need and shall pay all costs.

1.13 TEMPORARY ELECTRIC POWER

- A. The Contractor shall make his own arrangements to obtain and pay for electrical power used until final acceptance by the Owner.

1.14 SAFETY REQUIREMENTS FOR TEMPORARY ELECTRIC POWER

- A. Temporary electric power installation shall meet the construction Safety requirements of OSHA, State, and other governing agencies.

1.15 SANITARY FACILITIES

- A. The Contractor shall provide and maintain sanitary facilities for his employees and his subcontractor's employees that will comply with the regulations of the local and State Departments of Health and as directed by the Owner.

1.16 STORAGE OF MATERIALS

- A. Materials shall be so stored as to ensure the preservation of their quality and fitness for the work. When considered necessary, they shall be placed on wooden platforms or other clean hard surfaces and not on the ground. Stored materials shall be located so as to facilitate prompt inspection. Stored materials in the right-of-way shall be fully barricaded and must be fitted with lights at night. Private property shall not be used for storage purposes without the written permission of the owner or lessee. Materials shall not be stored where access to any structure, plot, or road is blocked. Location of stored materials approved by the ENGINEER or his designee.
- B. Delicate instruments and materials subject to vandalism shall be placed under lock cover and, if necessary, provided with temperature control as recommended by the manufacturer.

1.16 CONSTRUCTION SAFETY PROGRAM

- A. The Contractor shall develop and maintain for the duration of this Contract, a safety program that will effectively incorporate and implement all required safety provisions. The Contractor shall appoint an employee who is qualified and authorized to supervise and enforce compliance with the safety program.
- B. The duty of the Engineer to conduct construction review of the Contractor's performance is not intended to include a review or approval of the adequacy of the Contractor's safety supervisor, the safety program or any safety measures taken in, on, or near the construction site.
- C. The Contractor shall do all work necessary to protect the general public from hazards, including, but not limited to, surface irregularities, or unramped grade changes in pedestrian sidewalk or roadway. Barricades, lights, and proper signs shall be furnished in sufficient amount to safeguard the public and the work.
- D. The performance of all work and all completed construction, particularly with respect to ladders, platforms, structure openings, scaffolding, shoring, lagging, machinery guards and the like, shall be in accordance with the applicable governing safety authorities.

1.17 ACCIDENT REPORTS

- A. If death or serious injuries or serious damages are caused; the Contractor must promptly report by telephone or messenger to the Engineer. In addition, the Contractor must promptly report in writing to the Engineer all accidents whatsoever arising out of or in connection with, the performance of the work whether on, or adjacent, to the site, giving full details and statements of witnesses.
- B. If a claim is made against the Contractor or any subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the Engineer, giving full details of the claim.

1.18 TRAFFIC MAINTENANCE AND SAFETY

- A. Comply with all rules and regulations of the state, county, and city authorities regarding closing or restricting the use of public streets or highways. No public or private road shall be closed, except by express permission of the owner. Conduct the work so as to assure the least possible obstruction to traffic and normal commercial pursuits. Protect all obstructions within traveled roadways by installing approved signs, barricades, and lights where necessary for the safety of the public. The convenience of the general public and residents adjacent to the project and the protection of persons and property are of prime importance and shall be provided for in an adequate and satisfactory manner.
- B. Maintenance of Traffic shall be maintained at all construction sites until the work is either completed or any open trenches have been properly covered and all equipment is properly stored. Contractor shall maintain Maintenance of Traffic (MOT) signs in good repairs and required MOT lights should be operative at all times. The Owner shall stop work if MOT is not properly maintained; there shall not be any additional cost to the Owner for this downtime.
- C. When flagmen and guards are required by regulation, permits, or when deemed necessary for safety, they shall be furnished with approved orange wearing apparel and other regulation traffic-control devices. Flaggers shall be certified by State approved agency.
- D. MOT plans shall be submitted for review and approval by the applicable City department.

1.20 FIRE PREVENTION AND PROTECTION

- A. The Contractor shall perform all work in a fire-safe manner and shall supply and maintain on the site adequate fire-fighting equipment capable of extinguishing incipient fires. The Contractor shall comply with applicable federal, state, and local fire-prevention regulations. Where these regulations do not apply, applicable parts of the National Fire Prevention Standard for Safeguarding Building Construction Operations (NFPA No. 241) shall be followed.

1.21 HURRICANE PREPAREDNESS PLAN

- A. Within 30 days of the date of Notice to Proceed, the CONTRACTOR shall submit to the ENGINEER and City Representative a Hurricane Preparedness Plan. The plan should outline the necessary measures which the CONTRACTOR proposes to perform at no additional cost to the OWNER in case of a hurricane warning.
- B. In the event of inclement weather, or whenever Owners Representative shall direct, CONTRACTOR will, and will cause Subcontractors to protect carefully the work and materials against damage or injury from the weather. If, in the opinion of Owner's Representative, any portion of work or materials shall have been damaged or injured by reason of failure on the part of CONTRACTOR or any Subcontractors to so protect the work, such work and materials shall be removed and replaced at the expense of the CONTRACTOR.

1.22 SITE RESTORATION AND CLEANUP:

- A. At all times during the work keep the premises clean and orderly and upon completion of daily work repair all damage caused by equipment and leave the project free of rubbish or excess materials of any kind.
- B. Stockpile excavated materials in a manner that will cause the least damage to adjacent lawns, grassed areas, gardens, shrubbery, or fences regardless of whether these are on private property, or State, County, or City rights-of-way. Remove all excavated materials from grassed and planted areas, and leave these surfaces in a condition equivalent to their original condition.

1.23 FINISHING OF SITE, BORROW, AND STORAGE AREAS

- A. Upon completion of the project, all areas used by the Contractor shall be properly cleared of all temporary structures, rubbish and waste materials and properly graded to drain and blend in with the abutting property. Areas used for the deposit of waste materials shall be finished to properly drain and blend in with the surrounding terrain.

1.24 AREA CLEANUP DURING CONSTRUCTION

- A. Thoroughly clean all spilled dirt, gravel, sand, concrete, or other foreign materials caused by the construction operations from all streets and roads, grass, pathways, or concrete walkways and from adjacent areas at the conclusion of each day's operation. Wet concrete is not to be stored, dumped, or placed on the ground or other structures on any City property at any time. Truck or equipment wash down is not to be performed on City Property.

1.25 PREVENTION

- A. Give all unpaved areas used in the construction area an approved dust-preventive treatment or periodically water to prevent dust during construction. Applicable environmental regulations for dust prevention shall be strictly adhered to.

1.28 PAYMENT

- A. The cost of the work in this section is considered incidental to the contract.

PART 2 – Not used

PART 3 – Not used

END OF SECTION

**SECTION 01020
SUMMARY OF WORK**

PART 1 - GENERAL

1.1 DESCRIPTION

A. Work Included:

1. Furnishing all materials, equipment and labor for the demolition, disposal and replacement of approximately 1,300 linear feet of railing at the CITY MARINA @ GARRISON BIGHT.
2. Perform site clean-up, and all necessary appurtenances and incidental work to provide a complete and serviceable project.
3. Furnish, install and maintain environmental protection components including Environmental Protection Plan, turbidity boom and monitoring.

B. Related requirements in other parts of the Contract Documents: General Conditions of the Contract for Construction.

C. Contractor's Duties:

1. In addition to provisions stipulated in other portions of the Contract Documents, the Contractor shall:
 - a. Secure permits as necessary for proper execution and completion of the work.
 - b. Notify (in writing) all residents and proprietors adjacent to construction site of work to be performed, more specifically the notice shall state the day and time construction will begin, hours of work, the name and phone number of the Contractor's Superintendent and an end date for the project.
2. The Contractor shall be totally responsible for all permits required and shall ensure that construction complies with all applicable local, state, and federal codes.
3. Provide an experienced, qualified, and competent Superintendent to oversee the Work. Prior to starting construction, the Proposed Superintendent's qualifications shall be submitted in writing to the City for approval. The approved Superintendent shall be expected to remain for the duration of the Project, unless the Owner or Engineer deem him inadequate and requests his removal or the Contractor cannot continue his services to the project for a reason or reasons that shall be communicated to the Owner. A replacement Superintendent shall be required to follow the same approval process as required for the original.

4. It shall be the Contractor's responsibility to request approval for performance of work on Saturdays, Sundays, holiday, and weekday hours other than 7:00 am until 7:00 pm. Work shall not begin prior to 8:00 am.
5. The Contractor shall provide two (2) copies of Material Safety Data Sheets (MSDS) for chemicals, paints, coatings and materials used on-site prior to initiation of work.

1.2 CONTRACTOR'S USE OF PREMISES

- A. Work shall be scheduled as to not interfere with on-going area activities.
- B. Coordinate use of premises and requirements for security under direction of City.
- C. Assume full responsibility for the protection and safekeeping of products under this Contract, stored on the site.
- D. Obtain and pay for the use of additional storage or work areas needed for operation.
- E. Contractor shall provide drinking water and sanitary facilities for construction personnel
- F. This is a smoke free construction zone. **NO SMOKING PERMITTED WITHIN CONSTRUCTION ZONE.**

1.3 MAINTENANCE OF EXISTING UTILITIES OPERATION

- A. Provide at least three weeks' notice prior to interruption of utility services for temporary or permanent connections.
- B. Keep interruption of utility services, and utility outages during disconnection, moving, and reconnection to a minimum.

1.4 PROPOSED WORK

- A. Project consists of the demolition and disposal of approximately 1,300 feet of existing concrete railing on the easterly side of the CITY MARINA @ GARRISON BIGHT on Palm Avenue at North Roosevelt Boulevard in Key West. Upon completion of demolition and removal of existing railing system install approximately 1,300 feet of FDOT RAILING W/TYPE I PICKET INFILL PANEL 42" in height. FDOT DESIGN STANDARDS 2013- INDEX 862 in the top of seawall, twelve (12) inches from the face of the seawall.
- B. After demolition and prior to installation; implement necessary measures so that areas without railings are closed and safe for all persons including those who live and work at the marina and the public.

- C. After demolition of existing railing, all exposed rebar will be cut a minimum of 3” below seawall surface and treated with Fox Industries 408 Zinc - Rich Epoxy Primer (or equal) and all concrete must be patched with Fox Industries FX 263 Rapid-Hardening Vertical / Overhead Repair Mortar (or equal).

Install 24 Sea-Dog (or equal) 12 inch hot dipped galvanized iron dock cleats with 5/8 inch hex head fasteners in the top of the seawall. Cleats shall be eight (8) inches from the face of the seawall at locations approved by the Project Manager. Install cleats using two-part epoxy and all-thread rods in pre-drilled holes; also use copper based anti-seize lubricant on all bolts.

- D. Use/install all specified materials and products in accordance with manufacturer’s specifications.
- E. Provide submittals for all materials and products in accordance with Specification Section 1300.

END OF SECTION

SECTION 01014
ENVIRONMENTAL PROTECTION

PART 1 – GENERAL

1.01 RELATED DOCUMENTS:

- A. General provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

1.02 DESCRIPTION OF WORK:

- A. General Contractor shall be responsible for conducting all work in such a manner that any and all environmental impacts or damages not specifically authorized by the contract and its controlling State and Federal permits are avoided. Should accidental or incidental damages occur, CONTRACTOR shall be responsible for all corrective measures at CONTRACTOR'S expense. CONTRACTOR shall save and hold harmless the CITY from all such violations. CONTRACTOR shall adhere to the following sections at a minimum in order to avoid such environmental damages. CONTRACTOR shall be responsible for all actions and compliance of any Subcontractors to CONTRACTOR.

B. PERMITS

CONTRACTOR shall comply with all conditions of any and all permits.

C. ENVIRONMENTAL DAMAGE

CONTRACTOR shall immediately notify Engineer and City of any environmental damages or violations, which may occur during project mobilization/demobilization and construction. Work must cease until Project Manager comes to site to assess damage.

1.03 LOCAL SITE CONDITIONS:

- A. CONTRACTOR shall secure the work area limits from public access. CONTRACTOR shall cordon off resources within the work area that are to be protected. Such resources may include mangroves, upland trees and landscape material, structures, or utilities. CONTRACTOR shall be responsible for the replacement or repair of any damaged resources.
- B. CONTRACTOR shall avoid incidental damage to wetlands adjacent to the construction site through constant monitoring of the supervising biologist. CONTRACTOR is responsible for any incidental impacts.
- C. At no time shall the CONTRACTOR be permitted to excavate, place fill on, traverse in any way, or place or store any equipment or material on wetlands or hardbottom resources outside the area designated for construction.
- D. CONTRACTOR shall avoid, contain, and control all other potential damages to the local resources including but not limited to fuel, oil, or other chemical or solid waste in the

form of leaks, spills, or fugitive materials and trash. In the event of an impact of this type, CONTRACTOR shall take corrective actions immediately.

E. CONTRACTOR shall supply sanitary facilities at the worksite.

1.01 ENVIRONMENTAL PROTECTION PLAN:

A. Within 10 calendar days after the date of Notice of Award and prior to the Notice to Proceed to the CONTRACTOR, the CONTRACTOR shall submit in writing an Environmental Protection Plan to the ENGINEER. The Notice to Proceed will not be issued until the Environmental Protection Plan is reviewed and approved by the ENGINEER. Approval of the CONTRACTOR'S plan will not relieve the CONTRACTOR of his responsibility for adequate and continuing control of pollutants and other environmental protection measures. The Environmental Protection Plan shall include but not be limited to the following:

- (1) Methods for protection of features and habitats to be preserved within authorized work areas. The CONTRACTOR shall prepare a listing of methods to protect resources needing protection, i.e., all vegetation, trees, shrubs, vines, grasses and ground cover, landscape features, air and water quality, fish and wildlife, soil, historical, archeological and cultural resources, sea grasses, sea turtles, intransigent/transient vertebrate/invertebrates at hardbottom, all coral formations, manatees and all marine hardbottom areas.
- (2) Procedures to be implemented to provide the required environmental protection and to comply with the applicable permits, laws and regulations, The CONTRACTOR shall provide written assurance that immediate corrective action will be taken to correct pollution of the environment due to accident, natural causes or failure to follow the procedures set out in accordance with the Environmental Protection Plan.
- (3) Drawings showing locations of any proposed temporary excavations or material storage areas, structures, sanitary facilities, and stockpiles of excess or spoil materials.
- (4) Work area plan showing the proposed activity in each portion of the area and identifying the areas of limited use or nonuse. Plan should include measures for marking the limits of use areas.
- (5) The location of the solid waste disposal area.
- (6) A statement as to the person who shall be responsible for implementation of the Environmental Protection Plan. The CONTRACTOR personnel responsible shall report directly to the CONTRACTOR'S top management and shall have the authority to act for the Contractor in all environmental protection matters.

- (7) A statement acknowledging that the CONTRACTOR shall be responsible for environmental protection, including all of the CONTRACTOR'S personnel and subcontractors.
- (8) The Environmental Protection Plan shall be dated and endorsed by the individual of top management in charge of the construction.

1.06 PRECONSTRUCTION CONFERENCE:

- A. At the pre-construction conference the Contractor shall present his proposed plans and schedules for construction of the project in accordance with the requirements of this Section. The schedule shall be based on any analysis of project conditions and shall be in written form. The plan and schedule shall specifically indicate the sequence of site prep, construction of environmental protection control features, the cleanup, and proposed project problem resolution remedies to achieve final acceptance of the project by the City. It shall also include proposed methods to prevent pollution of waters as the result of construction operations. The Contractor shall also outline his proposed methods of controlling and preventing pollution on haul roads, and areas used for disposal of waste materials from the project.

No work shall be started until the aforementioned plans and schedules have been accepted by the City. The Contractor will be responsible for accomplishment of the work in accordance with the accepted plans and schedules. The City may approve changes made necessary by unforeseen circumstances, which are beyond the control of the Contractor.

1.07 SUPERSEDING REQUIREMENTS:

In the event of differences between these requirements and pollution control laws, rules or regulations of other State, Federal, or local agencies, the more restrictive laws, rules, or regulations shall apply.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 TURBIDITY:

- A. CONTRACTOR shall control and confine turbidity to the immediate work area. A turbidity control plan must be submitted with the proposal. The turbidity control plan must provide details of measures to control turbidity within the work zone at the site. The turbidity control plan shall include monitoring sufficient to assure compliance with state water quality standards contained in Chapter 62-302 of the Florida Administrative Code.
- B. Waters of the construction site are within areas designated as Outstanding Florida Waters. Chapter 62-302 provides that turbidity not be allowed to exceed background levels for this classification of waters. Silt screens with floats and anchored bases

shall be used to contain turbidity at the site provided that the CONTRACTOR determines that the current regime will allow their placement and maintenance.

- C. Floating Turbidity Barriers: This work shall consist of installing, maintaining, and removal of turbidity barriers to necessary contain turbidity that may occur as the result of demolition of concrete railings, patching of concrete deck, installation of new railings or other construction activities which may cause turbidity to occur in the waters of the State. This may entail the deployment of turbidity barriers around isolated areas of concern such as seagrass beds, wetlands, etc., both within as well as outside the project limits. Such areas will be identified by the Engineer and barriers will be put in place prior to the commencement of any work that could impact the area of concern. A submittal is required for the type of barrier used, the deployment and maintenance of the barrier and how its use will minimize dispersion of turbid waters from the construction site. Alternate methods or materials may be approved by the Engineer provided that compliance with applicable permit conditions and State water quality standards are maintained.

3.03 EXTENT OF FUGITIVE MATERIALS:

- A. General. CONTRACTOR shall control all fugitive materials including trash, chemicals, lubricants, oils, gas, debris, and concrete and rebar as noted above. Fugitive materials as applied herein shall include all materials at the work site, the parking lot or along the transit route. In the event of a fugitive materials event CONTRACTOR shall take immediate corrective actions.
- B. The Contractor shall take sufficient precautions to prevent pollution of waters and wetlands, with fuels, oils, bitumens, calcium, chloride, or other harmful materials (in accordance with local, State and Federal Requirements). Also, he shall conduct and schedule his operations so as to avoid or otherwise minimize pollution or siltation of such waters and wetlands, and to avoid damage or interference to marine plants and organisms.

3.04 TRANSIT:

Materials shall be hauled from the site to the disposal site in sealed trucks. CONTRACTOR is responsible for assuring that such trucks do not leak or spill materials onto the public rights of way of the CITY or upon other non-designated properties. CONTRACTOR is responsible for assuring that the size and weight of such loaded trucks do not exceed the load bearing capacity of all substrata along the transit route including curbs, inlet or manhole covers, roads, sidewalks and underground utilities.

3.07 MAINTENANCE:

General: The Contractor shall, at his expense, provide routine maintenance of permanent and temporary water pollution and turbidity control features until the project is completed and accepted. Control features shall be reconstructed due to the Contractor's negligence

or carelessness or, in the case of temporary control features, failure by the Contractor to install permanent control features until the project is completed and accepted.

PART 4 PROTECTION OF AIR QUALITY

- A. The air pollution likely to occur due to construction operations shall be minimized by wetting down bare soils during windy periods, requiring the use of properly operating combustion emission control devices on construction vehicles and equipment used by CONTRACTORS, and by encouraging the shutdown of motorized equipment not actually in use.
- B. Trash burning will not be permitted on the construction site.

PART 5 CONSTRUCTION NOISE CONTROL

5.1 GENERAL

- A. The CONTRACTOR shall conduct all his work, use appropriate construction methods and equipment, and furnish and install acoustical barriers, all as necessary so that no noise emanating from the process or any related tool or equipment will exceed legal noise levels, as set forth in the Code of Ordinances, City of Key West, Florida.

5.2 MITIGATION OF CONSTRUCTION NOISE IMPACT

- A. The CONTRACTOR shall submit to the ENGINEER his plans to mitigate the construction noise impacts and to comply with the noise criteria specified herein, including the method of construction, the equipment to be used, and acoustical treatments if necessary.
- B. The CONTRACTOR shall only use equipment in good condition with the approved noise and environmental controls (mufflers) or it will be rejected from the site.

PART 6 PAYMENT

6.1 GENERAL

- A. Payment for the work associated with this Section will be incidental to the contract.

END OF SECTION

**SECTION 01025
MEASUREMENT AND PAYMENT**

PART 1 GENERAL

1.1 GENERAL

- A. The CONTRACTOR shall receive and accept the compensation as provided in the BID and the Contract in full payment for performing all operations necessary to complete the work under this Contract, and also in full payment for all loss or damages arising from the nature of the work, until the final acceptance by the OWNER.
- B. The Lump Sum price stated in the Bid Proposal includes all costs and expenses for performing and completing the work as ordered and as described in the Contract Documents, details, technical specifications, and specified herein. Measurement and payment for an item at a Lump Sum price shown in the Proposal shall be in accordance with the description of the item in this section.

1.2 PAYMENT

- A. General: Progress payments will be made monthly based on the date of the Notice to Proceed.
- B. Payment for all Work shown or specified in the Contract Documents is included in the Contract Price.
- C. Payment will not be made for following:
 - 1. Loading, hauling, and disposing of rejected material.
 - 2. Quantities of material wasted or disposed of in manner not called for under Contract Documents.
 - 3. Rejected loads of material, including material rejected after it has been placed by reason of failure of CONTRACTOR to conform to provisions of Contract Documents.
 - 4. Material not unloaded from transporting vehicle.
 - 5. Defective Work not accepted by OWNER.
 - 6. Material remaining on hand after completion of Work.
- D. Partial Payment: No partial payments will be made for materials and equipment delivered or stored.

PART 2 – Not used

PART 3 – Not used

END OF SECTION

SECTION 01300 SUBMITTALS

PART 1 - GENERAL

1.1 GENERAL

- A. Inquiries: Direct to ENGINEER regarding procedure, purpose, or extent of Submittal.
- B. Submittal Submission Procedures: As provided in General Conditions, as specified herein, and as may otherwise be established during the preconstruction conference.
- C. OWNER's Authorization: At any time, OWNER may authorize changes to procedures and requirements for Submittals, as necessary to accomplish specific purpose of each Submittal. Such authorization will be by Field Order or Work Change Directive.
- D. Timeliness: Make submissions in accordance with requirements of individual Specification sections, as shown on the current accepted schedule of Submittals submissions, and in such sequence as to cause no delay in Work or in work of other contractors.
- E. Identification of Submittals:
 - 1. Complete, sign, and transmit with each Submittal package, one Transmittal of CONTRACTOR's Submittal Form attached at the end of this section.
 - 2. Identify each Submittal with numbering and tracking system reviewed by ENGINEER:
 - a. Sequentially number each Submittal.
 - b. Resubmission of a Submittal will have original number with sequential alphabetic suffix.
 - 3. Show date of submission and dates of previous submissions.
 - 4. Show Project title and OWNER's contract identification and contract number.
 - 5. Show names of CONTRACTOR, Subcontractor or Supplier, and manufacturer as appropriate.
 - 6. Identify, as applicable, Contract Document section and paragraph to which Submittal applies.
 - 7. Clearly identify revisions from previous submissions.
- F. Incomplete Submittal Submissions:
 - 1. At ENGINEER's sole discretion, ENGINEER will either (i) return the entire Submittal for CONTRACTOR's revision/correction and resubmission, or (ii) retain portions of the Submittal and request submission/resubmission of specified items or as noted thereon.
 - 2. Submittals which do not clearly bear CONTRACTOR's specific written indication of CONTRACTOR review and approval of Submittal or which are transmitted with an unsigned or uncertified submission form or as may otherwise be required under Contract Documents, will be returned to

CONTRACTOR unreviewed for resubmission in accordance with Contract Documents.

3. Delays, re-sequencing or other impact to Work resulting from CONTRACTOR's submission of unchecked or unreviewed, Incomplete, inaccurate or erroneous, or nonconforming Submittals, which will require CONTRACTOR's resubmission of a Submittal for ENGINEER's review, shall not constitute a basis of claim for adjustment in Contract Price or Contract Times.

G. Non-specified Submissions: Submissions not required under these Contract Documents and not shown on schedule of Submittals submissions will not be reviewed and will be returned to CONTRACTOR.

H. Transmit submittals in accordance with current accepted schedule of Submittal submissions, and deliver the Engineer designated by the Engineering Department of the City of Key West.

I. Disposition of Submittals: As specified herein for administrative Submittals. ENGINEER will review, stamp, and indicate requirements for resubmission or acceptance on Submittal as follows:

1. No Exceptions Taken.
2. Reviewed as Noted:
 - a. Reference the General Conditions for intent.
 - b. CONTRACTOR may proceed to perform Submittal related Work.
 - d. One copy for ENGINEER's file.
 - e. One copy returned to CONTRACTOR.
3. Revise and Resubmit (Revise/Correct or Develop Replacement and Resubmit):
 - a. Revise/correct in accordance with ENGINEER's comments and resubmit.
 - b. One copy to ENGINEER's file.
 - c. One copy returned to CONTRACTOR appropriately annotated.

J. Payment for the work in this section will be incidental to the contract.

PART 2 - Not used

PART 3 - Not used

END OF SECTION

**SECTION 01390
PRECONSTRUCTION AUDIO-VIDEO RECORDINGS**

PART 1 – GENERAL

1.1 REQUIREMENTS

- A. The Contractor shall provide a color audio-video recording showing the entire preconstruction site. All videos shall be taken by a professional commercial video photographer. The video photographer shall be an established enterprise that routinely provides these services. The videos shall be in DVD format or .wav files on removable USB drive, indicating the date, project name, and a brief description of the location where the video was taken. The Contractor shall submit one (1) copy of the preconstruction audio-video to the OWNER.
- B. No construction shall begin prior to the review and approval of the preconstruction audio-video tape by the OWNER.
- C. The total audio-video recording system and the procedures employed in its use shall be such as to produce a finished product that will fulfill the technical requirements of the project. The video portion of the recording shall produce bright sharp, and clear pictures with accurate colors and shall be free from distortion, and any other form of picture imperfection. All video recordings shall, by electronic means, display on the screen the time of day, the month, day, and year of the recording.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.1 GENERAL

- A. The following shall be included with the audio-video documentation:
 - 1. Coverage is required within and adjacent to the right of way, easements, storage, and staging areas where the work is to be constructed.
 - 2. Documentation of the conditions of the adjacent properties or any affected structures as a result of the impending construction.
 - 3. Videos shall be properly identified by project name. Video shall include direction of coverage, the name of the streets or easements, engineering station numbers, date and time of coverage.
 - 4. Provide a written video log to aid in locating any section of the construction site that may be in question.
- B. There will be no separate payment for this preconstruction audio-video recording. The cost will be incidental to the contract.

END OF SECTION

PART 5

PRODUCTS SPECIFIED & LOCATION MAPS

FX-263

Rapid-Hardening Vertical/Overhead Repair Mortar

SIMPSON

Strong-Tie

®

CSI Specification: 03 01 00 Maintenance of Concrete

DESCRIPTION

FX-263 Rapid-Hardening Vertical/Overhead Repair Mortar is a cementitious, single-component, fiber-reinforced, polymer-modified, silica fume-enhanced, structural repair mortar with integral corrosion inhibitor designed for vertical and overhead applications. Available in regular and slow-setting (FX-263S) formulations.

ASSESSMENT

WHERE TO USE

- Partial-depth concrete repairs
- Above, below or on-grade applications
- Vertical and overhead applications
- Tunnels, bridges, balconies, parking decks, elevated structures, water treatment facilities and marine structures

FEATURES

- Ready to use, simply add potable water
- Fiber-reinforced
- High early strength
- High-build up to 3 in. (7.6 cm) per lift
- Excellent freeze/thaw resistance
- Excellent abrasion resistance
- Low permeability

PRODUCT DATA

Generic Description

Acrylic-modified fiber-reinforced cementitious repair mortar

Packaging

50 lb. bag (FX263)

50 lb. pail (FX263P)

Color

Dark gray

Product Yield

0.45 ft.³ (0.013 m³) per 50 lb. (22.7 kg) bag or pail

Initial Set Time

15 min. at 72°F (22°C)

Final Set Time

25 min. at 72°F (22°C)

Storage

Store dry between 40–95°F (4–35°C)

Shelf Life

1 year in unopened packaging

VOC

0 g/L

TECHNICAL INFORMATION

Compressive strength

ASTM C 109

2 hours: 2,000 psi 13.8 MPa

24 hours: 3,000 psi 20.7 MPa

7 days: 6,500 psi 44.8 MPa

28 days: 8,500 psi 58.6 MPa

Tensile strength, 28 days

ASTM C 190

500 psi 3.45 MPa

Bond strength, slant shear, 14 days

ASTM C 882 Mod.

2,000 psi 13.8 MPa

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PLANNING

Limitations

- Do not apply to surfaces below 45°F (7°C)
- Do not apply to surfaces above 90°F (32°C)
- Not compatible with solvent-based curing compounds
- Maximum 128 fl. oz. (3.8 L) of water per 50 lb. (22.7 kg)
- Minimum ¼ in. (0.6 cm) application thickness for traffic-bearing surfaces, ⅛ in. (0.3 cm) for non-traffic bearing surfaces.
- Do not mix partial bags
- Avoid contact with aluminum surfaces

PREPARATION

Surface Preparation

Concrete and reinforcing steel to receive repair mortar must be sound, clean and free of all contaminants that could impair product adhesion, bond or performance. Concrete should be a minimum of 28 days old or substantially cured to the equivalent design strength prior to FX-263 installation. Prepare concrete and reinforcing steel in accordance with ICRI Guideline 310.1R. Saw cut the perimeter of the repair area taking care to avoid cutting any reinforcing steel. Remove all loose or deteriorated concrete by chipping hammer, water jetting, or other mechanical means to reach sound concrete and achieve an open pore structure and surface profile per ICRI Guideline 310.2 CSP 5-9, taking care to avoid micro-cracking. Remove all corrosion, rust and surface contaminants from reinforcing steel by sandblasting or other mechanical means. Remove all cleaning media and debris by vacuum or blowing with high-pressure, oil-free air. For added corrosion protection, prime exposed reinforcing steel with either FX-406 Zinc-Rich Primer or FX-408 Zinc-Rich Epoxy Primer. Saturate surface with potable water for 8 to 24 hours prior to repair mortar installation by ponding or other means to achieve a saturated surface dry (SSD) surface condition. When it is impractical to achieve an SSD surface condition or to improve bond strength, apply FX-752 Epoxy Bonding Agent or FX-792LPL Long Pot Life Epoxy Bonding Agent to the repair area prior to FX-263 installation. FX-263 must be applied while bonding agent is still wet. Do not apply more bonding agent than can be effectively covered with FX-263 while remaining wet.

Mixing

For optimal product performance, condition to 70°F (21°C) prior to use. Do not prepare more material than can be used in the pot life of the product. Mix with a mortar mixer or a low-speed (300–600 rpm) drill and mixing paddle. Use a maximum of 128 fl. oz. (3.8 L) of potable water per bag, adjusting water content for desired consistency. For best results, add 90% of total mixing water and slowly add entire contents of FX-263 while mixing to avoid clumping. Adjust using remaining mixing water until desired consistency is achieved, scraping unmixed material from the sides and bottom of mixing container as needed to ensure all material is mixed. Mix for approximately 3 minutes.

EXECUTION

Application

Remove all standing water by vacuum or blowing with oil-free, compressed air prior to installation. FX-263 can be installed on damp, or SSD concrete surfaces. Do not install through standing water or on dry porous surfaces. Take appropriate measures to protect repairs from wind and high temperatures until fully cured. Never apply in direct sunlight.

Hand Trowel with Bonding Agent: Immediately following FX-752 or FX-792LPL application, and while bonding agent is still wet, hand trowel FX-263 into repair area to desired application thickness. Strike off with trowel and allow product to set. Finish with a wood or sponge float, or broom. For multiple lifts, roughen profile with trowel between lifts.

Hand Trowel without Bonding Agent: Use a scrub coat by applying a thin layer of undiluted FX-263 into the concrete surface with a stiff bristle brush. Immediately hand trowel FX-263 into repair area to desired application thickness. Strike off with trowel and allow product to set. Finish with a wood or sponge float. Do not apply more scrub coat than can be effectively covered with FX-263 without scrub coat drying out. For multiple lifts, roughen profile with trowel between lifts.

Curing: Immediately following finishing, wet-cure FX-263 in accordance with ACI 308 or use an ASTM C 309 compliant water-based curing compound such as FX-15 Water-Based Cure and Seal. The use of curing compounds may affect adhesion of subsequent surface treatments. SSD surface conditions and proper curing procedures are critical at minimum application thickness to prevent premature drying or cracking.

CAUTION

May cause serious eye and skin irritation or damage. When combined with water may cause moderate to severe alkali burns.

Protective Measures: The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of a NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Material Safety Data Sheet (MSDS) available at www.strongtie.com/msds for detailed information.

FIRST AID

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN.**

Skin Contact: Remove product and wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN.**

Ingestion: DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY FOR CURRENT INFORMATION. Never administer anything by mouth to an unconscious person.

Rinse mouth out with water. Never leave patient unattended. If vomiting occurs spontaneously, lay individual on their side, keeping head below hips to prevent aspiration of material into lungs.

Inhalation: Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN.**

CLEAN UP

Spills: Sweep or vacuum material and place in a suitable container. Keep out of sewers, storm drains, surface waters, and soils.

Surface Clean: Remove any residue with hot soapy water. Cured material can only be removed by mechanical means.

Tools and Equipment: Clean with soap and water immediately after use.

Skin: Use a non-toxic pumice-based soap, citrus-based hand cleaner, or waterless hand cleaner towel. Never use solvents to remove product from skin.

Disposal: Dispose of container and unused contents in accordance with federal, state, and local requirements. Containers may be recycled; consult local regulations for exceptions.

Distributor

IMPORTANT INFORMATION

It is the responsibility of each purchaser and user of each product to determine the suitability of the product for its intended use. Prior to using any product, consult a qualified design professional for advice regarding the suitability and use of the product, including whether the capacity of any structural building element may be impacted by a repair. As jobsite conditions vary greatly, a small-scale test patch is required to verify product suitability prior to full-scale application. The installer must read, understand and follow all written instructions and warnings contained on the Limited Warranty, product label(s), Product Data Sheet(s), Material Safety Data Sheet(s) and the www.strongtie.com website prior to use. For industrial use only by qualified applicators. KEEP OUT OF REACH OF CHILDREN!

Proposition 65: Products contained within this document contain materials listed by the state of California as known to cause cancer, birth defects, or reproductive harm.

FX-408

Zinc-Rich Epoxy Primer

SIMPSON

Strong-Tie

®

CSI Specification: 03.01.20 Maintenance of Concrete Reinforcing

DESCRIPTION

FX-408 Zinc-Rich Epoxy Primer is a two-component, zinc-rich coating designed to protect steel from corrosion by combining a chemical-resistant epoxy barrier coating with the sacrificial galvanic protection of zinc.

ASSESSMENT

WHERE TO USE

- Priming reinforcing steel to protect against corrosion
- To prime and protect reinforcing steel subject to immersion conditions
- For additional protection of steel in corrosive environments such as marine structures, areas subject to de-icing salts, chemical plants, etc.
- As a corrosion-resistant steel primer for protective coating systems

FEATURES

- 6-hour pot life at 72°F (22°C)
- Can be applied by brush, roller or spray
- High performance for immersion applications
- Superior chemical and solvent resistance to single-component zinc primers
- High zinc content provides superior corrosion protection of steel
- Excellent bond to steel
- Can be shop or field applied

PRODUCT DATA

Generic Description

Organic zinc-rich epoxy primer

Packaging

1 gallon kit (FX408KT1) contains:

- 0.83 gallon can Component "A" (FX408-.83A)
- 0.17 gallon can Component "B" (FX408-.17B)

Color

Gray

Storage

Store dry between 40–95°F (4–35°C)

Mixing Ratio

5A:1B

Shelf Life

2 years in unopened packaging

Coverage Rate

4–5 DFT mils total applied in two coats

% Solids by Volume

58%

375–450 ft.²/gal.

(9.2–11 m²/L) per coat

depending on surface profile

% Solids by Weight

88%

#4 rebar: 950–1,150 lin. ft./gal.

(75–90 m/L)

Viscosity

3,200 cps at 75°F (24°C)

#5 rebar: 775–950 lin. ft./gal.

(60–75 m/L)

Induction Time

45 minutes at 70°F (21°C)

Pot Life

6 hours at 72°F (22°C)

VOC

338 g/L (A+B)

Dry Time

60 min. at 72°F (22°C)

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PLANNING**Limitations**

- Do not apply to surfaces below 40°F (4°C)
- Do not apply to surfaces above 95°F (35°C)
- Do not thin
- Do not apply to damp or wet surfaces
- Do not apply in thickness greater than 5 mils DFT per coat

PREPARATION**Surface Preparation**

Remove existing corrosion by sandblasting or other mechanical means. All freshly prepared surfaces must be coated before flash rusting can occur.

Mixing

For optimal product performance, condition individual components to 70°F (21°C) and stir thoroughly prior to use. Do not prepare more material than can be used in the pot life of the product. Proportion Component “A” and Component “B” at a 5A:1B ratio by volume in a clean pail. Mix thoroughly with a low-speed (300–600 rpm) drill and mixing paddle for 3 minutes, scraping unmixed material from sides and bottom of mixing container as needed. Avoid entrapping air into mixture. FX-408 requires a 45-minute induction period at 70°F (21°C) prior to application. Re-stir mixed product prior to use.

EXECUTION**Application**

FX-408 may be applied by brush, roller or spray. Spray equipment must be equipped with water and oil filtration systems to prevent contamination of FX-408 during application. Recommended dry-film thickness is 2.5 to 3.5 mils. Apply two coats.

CAUTION

FLAMMABLE LIQUID! May cause eye and skin irritation. May cause skin sensitization.

Protective Measures: The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of a NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Material Safety Data Sheet (MSDS) available at www.strongtie.com/msds for detailed information.

FIRST AID

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN.**

Skin Contact: Remove product and wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN.**

Ingestion: DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER

IMMEDIATELY FOR CURRENT INFORMATION. Never administer anything by mouth to an unconscious person. Rinse mouth out with water. Never leave patient unattended. If vomiting occurs spontaneously, lay individual on their side, keeping head below hips to prevent aspiration of material into lungs.

Inhalation: Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN.**

CLEAN UP

Spills: Construct a dike to prevent spreading. Soak up with absorbent material such as clay, sand or other non-reactive material. Place in leak-proof containers. Keep out of sewers, storm drains, surface waters, and soils.

Surface Clean: Wipe up uncured material with cotton cloths. If desired scrub area with abrasive, water-based cleaner and flush with water. If approved, solvents such as FX-Epoxy Cleaner, ketones (MEK, acetone, etc.), or adhesive remover can be used. Cured material can only be removed by mechanical means.

Tools and Equipment: Remove uncured material with FX-Epoxy Cleaner, ketones (MEK, acetone, etc.), or adhesive remover. Cured material can only be removed by mechanical means.

Skin: Use a non-toxic pumice-based soap, citrus-based hand cleaner, or waterless hand cleaner towel. Never use solvents to remove product from skin.

Disposal: Dispose of container and unused contents in accordance with federal, state, and local requirements. Containers may be recycled; consult local regulations for exceptions.

Distributor

IMPORTANT INFORMATION

It is the responsibility of each purchaser and user of each product to determine the suitability of the product for its intended use. Prior to using any product, consult a qualified design professional for advice regarding the suitability and use of the product, including whether the capacity of any structural building element may be impacted by a repair. As jobsite conditions vary greatly, a small-scale test patch is required to verify product suitability prior to full-scale application. The installer must read, understand and follow all written instructions and warnings contained on the Limited Warranty, product label(s), Product Data Sheet(s), Material Safety Data Sheet(s) and the www.strongtie.com website prior to use. For industrial use only by qualified applicators. KEEP OUT OF REACH OF CHILDREN!

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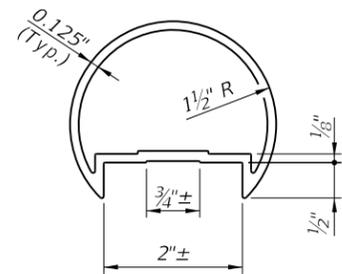
3D VIEW OF RAILING WITH TYPE 1 - PICKET INFILL PANEL
(42" Height shown, 54" Height Similar)

TABLE 1 - RAILING MEMBERS

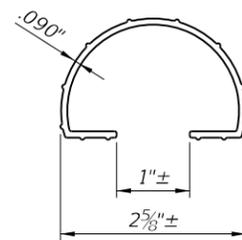
MEMBER	ALLOY ⁽¹⁾	DESIGNATION	OUTSIDE DIMENSION	WALL THICKNESS
Posts	6061-T6	RT 2x2x.250	2.00" x 2.00"	0.250"
Top Rail	6061-T6	2 1/2" NPS (Sch. 10) 3" Round Top Cap Rail	2.875" 3.000"	0.120" 0.125"
End Hoops	6063-T5	2 1/2" NPS (Sch. 10) 3.00 OD x 0.125 Wall	2.875" 3.000"	0.120" 0.125"
Top Rail Joint/Splice Sleeves	6063-T5	2.50 OD x 0.125 Wall Top Cap Rail Inner Sleeve	2.500" 2.800"	0.125" 0.090"
Intermediate & Bottom Rail	6061-T6	RT 2x2x.250	2.00" x 2.00"	0.250" ⁽²⁾
Int. & Bottom Rail Post Connection Sleeve	6063-T5	1.50 OD x 0.125 Wall	1.500"	0.125"
Handrail Joint/Splice Sleeves	6063-T5	1" NPS (Sch. 40)	1.315"	0.133"
Handrails	6061-T6	1 1/2" NPS (Sch. 40)	1.900"	0.145"
Handrail Support Bar	6061-T6	3/4" Ø Round Bar	0.750"	N/A
Pickets (Type 1 Infill Panel)	6061-T6	3/4" Ø Round Bar	0.750"	N/A
Infill Panel Members (Types 2 - 5)	6063-T5	Varies (See Details)	Varies	Varies

TABLE 1 NOTES:

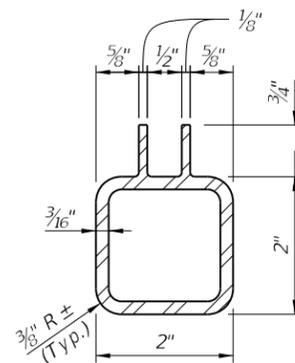
- (1) Alloy 6061-T6 or 6063-T52 & T6 may be substituted for Alloy 6063-T5.
- (2) 0.188" wall thickness permitted for rails with post spacings less than 5'-9".



3" ROUND TOP CAP RAIL



TOP CAP RAIL INNER
SPLICE SLEEVE



ALTERNATIVE BOTTOM &
INTERMEDIATE RAIL SECTION
FOR TYPE 3, 4 & 5 RAILINGS

ALTERNATE TOP RAIL SECTION

DESIGN LOADS, GEOMETRY AND APPLICABILITY:

See the Instructions for Design Standards for the design loads, geometry and applicability requirements.

GENERAL:

Adequate foundation support shall be provided for anchorage and stability against overturning. See Index No. 861 for special requirements and modifications for use on bridges. The railing shown on these drawings requires a handrail for ramps steeper than a 5% grade to conform with the requirements of the Americans with Disabilities Act (ADA).

RAILS, PANELS AND POSTS:

Structural Extrusions, Tube, Pipe and Bar shall be in accordance with Table 1 and ASTM B221 or ASTM B429. Top, bottom and intermediate rail corner bends with maximum 4'-0" post spacing, may be Alloy 6063-T6. Perforated panels (Type 5) shall be Alloy 3003-H14. Posts shall be fabricated and installed plumb, ± 1" tolerance when measured at 3'-6" above the foundation. Pickets and vertical panel elements shall be fabricated parallel to the posts, except that Type 2, 3 & 5 panel infills may be fabricated parallel to the longitudinal grade. Corners and changes in tangential longitudinal alignment shall be made continuous with a 9" bend radius or terminate at adjoining sections with mitered end sections when handrails are not required. For changes in tangential longitudinal alignment greater than 45°, posts shall be positioned at a maximum distance of 2'-0" each side of the corner and shall not be located at the corner apex. For curved longitudinal alignments the top and bottom rails and handrails shall be shop bent to match the alignment radius.

BASE PLATES AND RAIL CAPS:

Base Plates and Post Cap plates shall be in accordance with ASTM B209, Alloy 6061-T6.

SHIM PLATES:

Shim Plates shall be aluminum in accordance with ASTM B209, Alloy 6061 or 6063. Shim plates shall be used for foundation height adjustments greater than 1/4" and localized irregularities greater than 1/8". Field trim shim plates when necessary to match the contours of the foundation. Beveled shim plates may be used in lieu of trimmed flat shim plates shown. Stacked shim plates must be bonded together with adhesive bonding material and limited to a maximum total thickness of 1/2", unless longer anchor bolts are provided for the exposed thread length.

ANCHOR BOLTS:

Anchor bolts shall be in accordance with ASTM F1554 Grade 36. Headless anchor bolts for Adhesive Anchors shall be threaded full length. Cutting of reinforcing steel is permitted for drilled hole installation. Expansion Anchors are not permitted. All anchor bolts shall have single self-locking hex nuts. Tack welding of the nut to the anchor bolt may be used in lieu of self-locking nuts. All nuts shall be in accordance with ASTM A563 or ASTM A194. Flat Washers shall be in accordance with ASTM F436 and Plate Washers (for long slotted holes only), shall be in accordance with ASTM A36 or ASTM A709 Grade 36. After the nuts have been snug tightened, the anchor bolt threads shall be distorted to prevent removal of the nuts. Distorted threads and tack welds shall be coated with a galvanizing compound in accordance with the Specifications.

RESILIENT AND NEOPRENE PADS:

Resilient and Neoprene pads shall be in accordance with Specification Section 932 except that testing of the finished pads shall not be required. Neoprene pads shall be durometer hardness 60 to 80.

JOINTS:

All welded joints are to be ground smooth. Expansion joints shall be spaced at a maximum 35'-0". Field splices similar to the expansion joint detail may be approved by the Engineer to facilitate handling, but top rail must be continuous across a minimum of two posts.

WELDING:

All welding shall be in accordance with the American Welding Society Structural Welding Code (Aluminum) ANSI/AWS D1.2 (current edition). Filler metal shall be either ER5183, ER5356 or ER5556. Nondestructive testing of welds is not required. Filler metal for plug welds and bend splices may be ER4043.

COATINGS:

The aluminum railing shall be mill finish unless otherwise noted in the Contract Documents. All nuts, bolts and washers shall be hot-dip galvanized in accordance with Specification Section 962.

SHOP DRAWINGS:

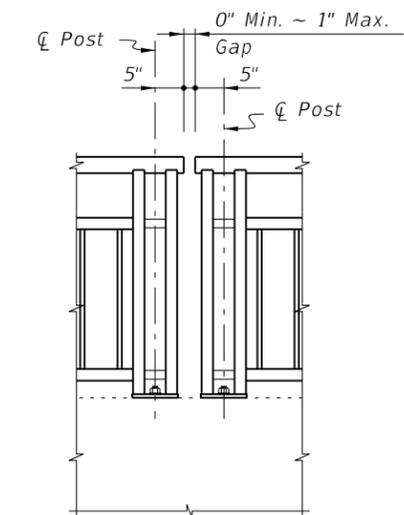
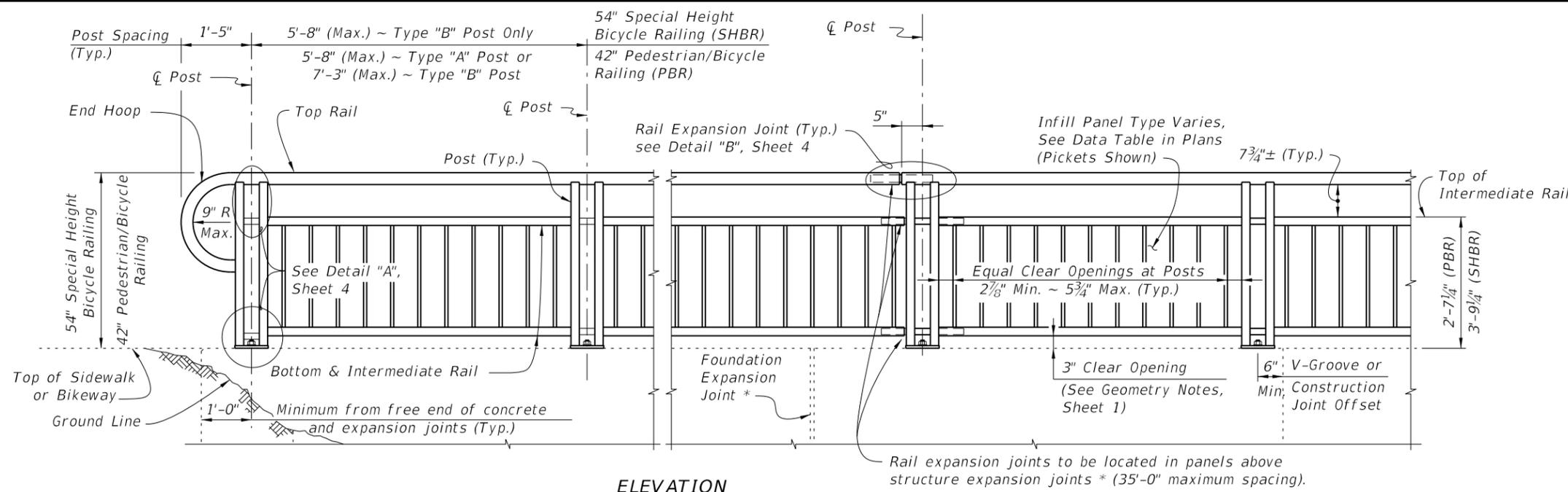
Complete details addressing project specific geometry (line & grade) showing post and expansion joint locations, post and panel type, anchor bolt installation "Case" or lengths, must be submitted by the Contractor for the Engineer's approval prior to fabrication of the railing. Shop drawings shall be in accordance with the Specifications.

PAYMENT:

Railing shall be paid for per linear foot (Item No. 515-2-abb). Payment will be plan quantity measured as the length along the center line of the top rail, and includes rails, posts, pickets, panels, rail splice assembly, base plates, anchor bolts, nuts, washers, resilient or neoprene pads and all incidental materials and labor required to complete installation of the railing.

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LAST REVISION 01/01/12	DESCRIPTION:	 FDOT DESIGN STANDARDS 2013	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 1



Note: Non-continuous corners are permitted when handrails are not required.

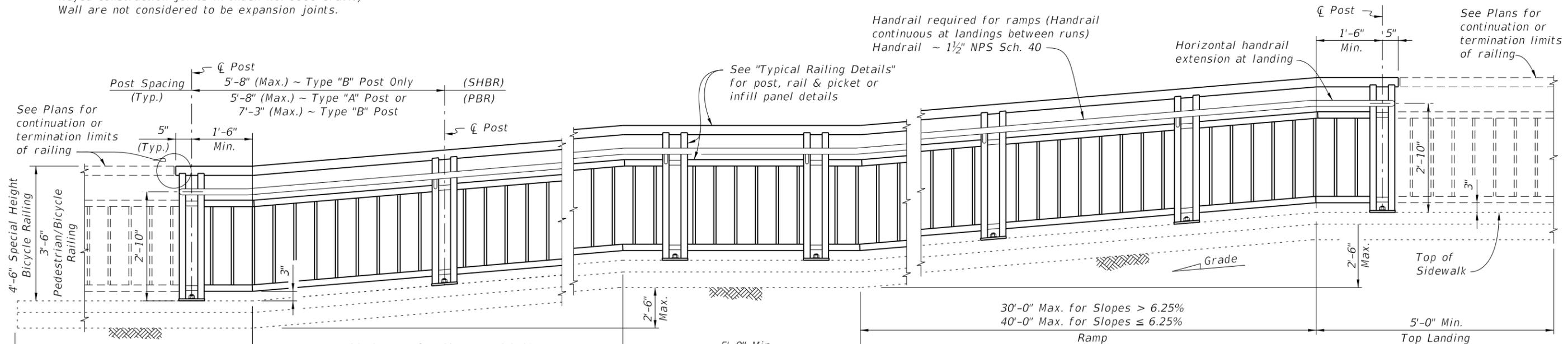
ELEVATION
(Showing Outside Face of Railing with Type "A" Posts)

EXPANDED ELEVATION AT CORNERS

TYPICAL RAILING DETAILS & RAILINGS ON GRADES 0% TO 5%
(Type 1 - Picket Railing Shown, Other Types Similar)

DETAIL FOR NON-CONTINUOUS RAILING AT CORNERS

NOTES:
* Keyed construction joints in Index No. 6011 Gravity Wall are not considered to be expansion joints.



RAMP REQUIREMENTS

For slopes greater than 5%:
Max. ramp slope = 8.33%
Max. ramp cross-slope = 2.0%

LANDING REQUIREMENTS

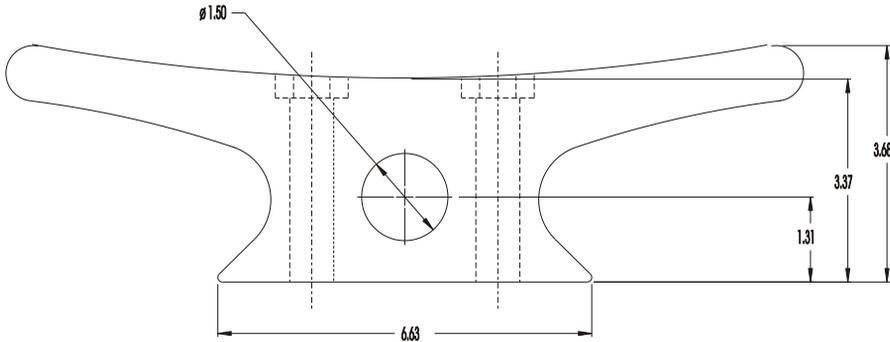
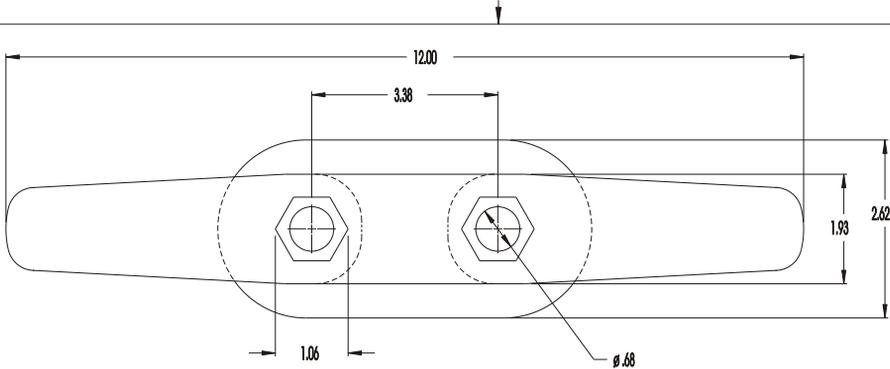
Max. landing slope = 2%
Max. landing cross-slope = 2%

ELEVATION
(Showing Inside Face of Railing with Type "A" Posts)

RAILINGS ON GRADES STEEPER THAN 5%
(Type 1 - Picket Railing Shown, Other Types Similar)

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LAST REVISION 01/01/11	DESCRIPTION: REVISION		FDOT DESIGN STANDARDS 2013	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 2



NOTE:

ALL UNITS MEASURED IN INCHES UNLESS OTHERWISE SPECIFIED.

WE RESERVE THE RIGHT TO MAKE IMPROVEMENTS TO THIS WITHOUT NOTIFICATION.

MEASUREMENTS ARE FOR REFERENCE ONLY.

INSULATION REQUIREMENTS SHOULD BE VERIFIED WITH SAMPLE PART.

ALL TOLERANCES ± 0.10 UNLESS OTHERWISE NOTED.

SEAF-DOG LINE

MATERIAL: SAND CAST GREY IRON HOT DIPPED GALVANIZED

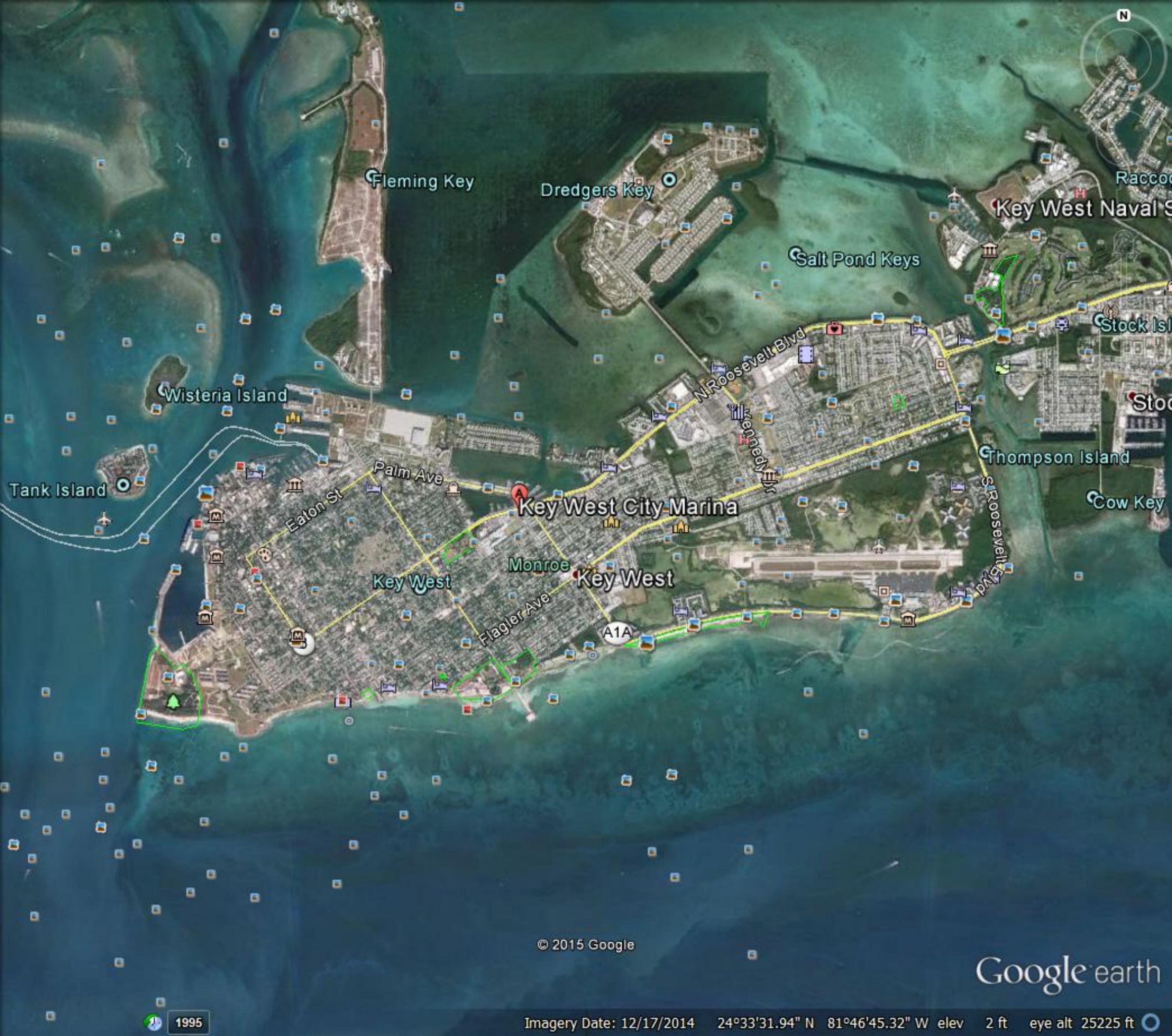
SIZE: A SHEET: 1 OF 1 WEIGHT: 9.86 LB SCALE: NTS CHECKED BY:

DWG NAME: DOCK CLEAT - HEX HEAD 12"

DRAWN BY: R.G. DATE: 8/19/98 PART NO. 040812

REV:	DESCRIPTION:	DATE:	BY:	CHK:
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REVISIONS



Fleming Key

Dredgers Key

Salt Pond Keys

Key West Naval S

Wisteria Island

Stock Isl

Stoc

Thompson Island

Cow Key

Tank Island

Key West City Marina

Key West

Monroe

Key West

Palm Ave

Eaton St

N Roosevelt Blvd

Jennedy Ex

S Roosevelt Blvd

Flagler Ave

A1A

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Imagery Date: 12/17/2014 24°33'31.94" N 81°46'45.32" W elev 2 ft eye alt 25225 ft

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