CERTIFICATION I certify this to be a true and correct copy of the record of the City of Fort Lauderdale, Florida. WITNESSETH my hand and official seal of the City of Fort Lauderdale, Florida, this the 17 day of 100 20 20

#### RESOLUTION NO. 20-111

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, AUTHORIZING THE CITY MANAGER TO EXECUTE A MAINTENANCE MEMORANDUM OF AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR IMPROVEMENTS TO THE BAHIA MAR PEDESTRIAN BRIDGE LOCATED AT THE BAHIA MAR FORT LAUDERDALE BEACH HOTEL, FORT LAUDERDALE, FLORIDA AND AUTHORIZING THE CITY MANAGER TO EXECUTE AN ASSUMPTION OF LIABILITY AND HOLD HARMLESS AGREEMENT WITH RAHN BAHIA MAR WALKWAY LLC, AND RAHN BAHIA MAR L.L.C AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Fort Lauderdale, Florida ("City") is the owner of the Bahia Mar Pedestrian bridge ("pedestrian bridge") located at the Bahia mar Fort Lauderdale Beach Hotel; and

WHEREAS, the pedestrian bridge extends from the Bahia Mar Fort Lauderdale Beach Hotel over State Road A1A ("A1A") to the Fort Lauderdale Beach; and

WHEREAS, Rahn Bahia Mar Walkway, LLC and Rahn Bahia Mar L.L.C wish to reconstruct and repair the pedestrian bridge ("improvements"); and

WHEREAS, because the pedestrian bridge is located over A1A, a Florida Department of Transportation ("FDOT") right-of-way, the reconstruction and repair work must be authorized by FDOT; and

WHEREAS, FDOT requires the City to enter into a Maintenance Memorandum of Agreement for the maintenance of the pedestrian bridge improvements; and

WHEREAS, the improvements will be installed in accordance with the plans and specifications of the MMOA; and

WHEREAS, the City wishes to enter into a Maintenance Memorandum of Agreement ("MMOA") with FDOT for the improvements within the right-of-way on State Road A1A; and

WHEREAS, the City and Rahn Bahia Mar Walkway LLC, and Rahn Bahia Mar L.L.C have agreed to enter into an Assumption of Liability and Hold Harmless Agreement, which passes the City's responsibilities, liabilities, maintenance and costs associated with the MMOA to Rahn Bahia Mar Walkway LLC, and Rahn Bahia Mar L.L.C, wherein Rahn Bahia Mar Walkway LLC and Rahn Bahia Mar L.L.C agree to assume and hold the City harmless from any obligations under the proposed MMOA;

### **RESOLUTION NO. 20-111**

### PAGE 2

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

<u>SECTION 1</u>. That the City Manager of the City of Fort Lauderdale, Florida, is hereby authorized to negotiate any necessary additional terms and conditions, with the approval of the City Attorney, and execute a Maintenance Memorandum of Agreement between the City of Fort Lauderdale, Florida, and the Florida Department of Transportation, in substantially the form attached, for the pedestrian bridge located at 801 Seabreeze Boulevard over State Road A1A.

<u>SECTION 2</u>. That the City Manager of the City of Fort Lauderdale, Florida, is hereby authorized to negotiate any necessary additional terms and conditions, with the approval of the City Attorney, and execute an Assumption of Liability and Hold Harmless Agreement between the City of Fort Lauderdale and Rahn Bahia Mar Walkway LLC, and Rahn Bahia Mar L.L.C, in substantially the form attached, wherein Rahn Bahia Mar Walkway LLC and Rahn Bahia Mar L.L.C agree to assume the City's responsibilities, liabilities, maintenance and costs associated with the Maintenance Memorandum of Agreement and hold the City harmless from any obligations under the Maintenance Memorandum of Agreement.

<u>SECTION 3</u>. The Office of the City Attorney shall review and approve as to form all documents prior to their execution by City officials and shall approve the manner of execution of the Assumption of Liability and Hold Harmless Agreement by the parties.

<u>SECTION 4</u>. All Resolutions or parts of Resolutions in conflict herewith are hereby repealed to the extent of such conflict.

<u>SECTION 5</u>. That this Resolution shall be in full force and effect upon final passage.

ADOPTED this 7th day of July, 2020.

Mayor

DEAN J. TRANTALIS

ATTEST:

City Clerk JEFFREY A. MODARELLI

20-111

#### DISTRICT FOUR MAINTENANCE MEMORANDUM OF AGREEMENT

THIS AGREEMENT, made and entered into this \_\_\_\_\_\_ day of \_\_\_\_\_, 2020, by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, a component AGENCY of the State of Florida, hereinafter called the DEPARTMENT, and City of Fort Lauderdale, a municipal corporation existing under the Laws of Florida, hereinafter called the AGENCY.

#### WITNESSETH:

WHEREAS, the DEPARTMENT has jurisdiction over State Road A1A (South of Seabreeze Blvd. merge), Section 86180 at (M.P.) 2.527 and which is described in "EXHIBIT A" (Project Location, Description and Location Map); and

WHEREAS, the AGENCY seeks to reconstruct and repair the Bahia Mar Pedestrian Bridge, hereinafter called "IMPROVEMENTS" as specified in the PLANS as described in EXHIBIT B and have maintained by the AGENCY certain highway and pedestrian IMPROVEMENTS; and

WHEREAS, as part of the continual updating of the State of Florida Highway System, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain State Road A1A (South of Seabreeze Blvd. merge), Section 86180 at (M.P.) 2.527 (within the limits of the **AGENCY**); and

WHEREAS, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall maintain certain elements reconstructed and repaired under Permit No.: 2020-C-491-00002, within the DEPARTMENT right of way of State Road A1A (South of Seabreeze Blvd. merge), Section 86180 at (M.P.) 2.527, as detailed within EXHIBIT A (Project Location, Description and Location Map); and

WHEREAS, the Project involves the scope of work as described within EXHIBIT A (Project Location, Description and Location Map), EXHIBIT B (Plans), EXHIBIT C (Maintenance Plan Requirements) and EXHIBIT D (Maintenance Elements) which will benefit the AGENCY; and

WHEREAS, under Permit 2020-C-491-00002, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall maintain the above referenced IMPROVEMENTS and shall secure such obligations with a "Cash Deposit" of forty eight thousand, six hundred thirty one dollars, and thirty-five cents (\$48,631.35) to be held in perpetuity, which shall be in the form of a cashier's check; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designation and setting forth the responsibilities of each party; and

WHEREAS, the AGENCY by Resolution No. 20-111 dated 10.7, 2020, attached hereto and by this reference made a part hereof, desires to enter into this AGREEMENT and authorizes its officers to do so;

**NOW THEREFORE**, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

- 1. The recitals set forth above are true and correct and are deemed incorporated herein.
- 2. INSTALLATION OF FACILITIES
  - A. The **DEPARTMENT** has issued **Permit Number 2020-C-491-00002** to the **AGENCY** to install the **IMPROVEMENTS** along State Road A1A (South of Seabreeze Blvd. merge), Section 86180 at (M.P.) 2.527, as detailed within **EXHIBIT A** (Project Location, Description and Location Map) and **EXHIBIT B** (Plans) which will benefit the **AGENCY**. The **AGENCY** has agreed to install the **IMPROVEMENTS**.
    - 1. All activities including **IMPROVEMENTS** installation and future maintenance operations performed on State highway right of way, must be in conformity with the most current edition of the Manual on Uniform Traffic Control (MUTCD) and FDOT Traffic Control through Work Zones.
    - 2. The most current edition of FDOT Standard Plans (Sight Distance at Intersections) must be adhered to.
    - 3. Lateral Offsets as specified in the FDOT Plans Preparation Manual, Volume 1, Chapters 2 and 4 must be adhered to.
    - 4. **IMPROVEMENTS** shall not obstruct roadside signs or permitted outdoor advertising signs, (see Florida Administrative Code [F.A.C.] Rule Chapter 14-10.).
    - 5. The AGENCY shall provide the local FDOT Operation Center located at Broward Operations, 5548 NW 9th Avenue, Fort Lauderdale, Fl. 33309 (954) 776-4300, a twenty-four (24) hour telephone number and the name of a responsible person that the **DEPARTMENT** may contact. The **AGENCY** shall notify the local maintenance office forty-eight (48) hours prior to the start of the **IMPROVEMENTS**.

- 6. If there is a need to restrict the normal flow of traffic, it shall be done on non-holiday, weekday off-peak hours (9 AM to 3 PM), and the party performing such work shall give notice to the local law enforcement **AGENCY** within whose jurisdiction such road is located prior to commencing work on the **IMPROVEMENTS**. The **DEPARTMENT'S** Operation Center Public Information Officer (see telephone number in sub-Paragraph (5) shall also be notified.
- 7. The AGENCY shall be responsible to clear all utilities within the **IMPROVEMENT** limits before construction commences.

#### 3. MAINTENANCE OF FACILITIES

- A. The AGENCY agrees to maintain certain IMPROVEMENTS to be installed under Permit Number 2020-C-491-00002. Maintenance by the AGENCY will include repair, restoration, and general maintenance of all said architectural elements as described in EXHIBIT A (Project Location, Description and Location Map) within the limits of construction within the DEPARTMENT'S Right-of-Way. Maintenance shall be as indicated below and in accordance with EXHIBIT C (Maintenance Requirements) and EXHIBIT D (Maintenance Elements).
  - 1. The AGENCY shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, or other assets occurring as a result of maintenance operations and shall repair such damage to the satisfaction of the DEPARTMENT at no expense to the DEPARTMENT.
  - 2. The AGENCY agrees to maintain, at its sole cost and expense, the **IMPROVEMENTS** set forth in **EXHIBIT A** in compliance with any and all applicable laws which shall include, but not be limited to, laws and regulations relating to ADA, as currently enacted or may be amended from time to time.
  - 3. The AGENCY shall maintain the façade and aesthetics of the IMPROVEMENTS and shall be kept clean and free from trash and debris. The IMPROVEMENTS shall be kept free of graffiti. Graffiti shall be removed in a timely manner. The IMPROVEMENTS shall be free of pest such as stinging insects, rodents, vermin, including removal of nests as needed.
- B. The **AGENCY** shall maintain the **IMPROVEMENTS** within the FDOT Right-ofway as listed below:

- 1. Keep bridge walking surface free of sand and debris, daily.
- 2. Touch-up painted surfaces, weekly.
- 3. Pressure wash bridge walking surface; maintain or repair as necessary, quarterly.
- 4. Flush bridge drains, quarterly.
- 5. Check deck joints for leakage and replace seals where needed, as needed.
- 6. Visually inspect entire bridge including protective fencing for signs of rust and corrosion, as well as concrete spalling; maintain or repair as necessary, quarterly.
- 7. Structural inspection of bridge by a Professional Engineer (PE); take appropriate actions as necessary. Bi-annually for first six (6) years, then annually thereafter unless PE recommends otherwise (more or less frequently).
- C. Upon receipt of any FDOT inspection report, take appropriate actions as necessary. The **AGENCY** shall be responsible for maintenance of the Project in accordance with the following Federally and State accepted standards (current editions at the time of execution of this **AGREEMENT** and any amendments hereafter) and all costs related thereto: (a) FDOT Plans Preparation Manual (PPM), (b) Florida Green Book, (c) Standard Specifications for Roadway and Bridge Construction, as amended, (d) FDOT Design Standards and (e) Manual on Uniform Traffic Control Devices (MUTCD) and (f) other provisional documents referenced herein.
- D. If it becomes necessary to provide utilities (water/electricity) to these **IMPROVEMENTS**, all costs associated with the utilities, accent lighting and/or irrigation systems including, but not limited to the impact and connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining **AGENCY'S** responsibility.
- E. The **AGENCY** shall be directly responsible for impact and connection AND The **AGENCY** shall become responsible for the above named ongoing utility costs.
- F. The above named functions, to be performed by the AGENCY and may be subject to periodic inspections by the DEPARTMENT, at the discretion of the DEPARTMENT. Such inspection findings will be shared with the AGENCY and shall be the basis of all decisions regarding, reworking or AGREEMENT termination. The AGENCY shall not change or deviate from said plans without written approval of the DEPARTMENT.

G. Any work impacting traffic flow on SR-A1A or adjacent roadways or ramps must be coordinated with the **DEPARTMENT**. Lane closures must be submitted for approval in accordance with **DEPARTMENT** procedures and policies and will meet the goals established in the **DEPARTMENT'S** Open Roads Policy.

#### 4. NOTICE OF MAINTENANCE DEFICIENCIES

Subject to the provisions of Section 4.F., if, at any time while the terms of this **AGREEMENT** are in effect, it shall come to the attention of the **DEPARTMENT** that the **AGENCY's** responsibility as established in this **AGREEMENT** or any part thereof is not being properly accomplished pursuant to the terms of this **AGREEMENT**, the **DEPARTMENT** may issue a written notice, that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY**, in care of the City of Fort Lauderdale, to place the **AGENCY** on notice regarding its maintenance deficiencies or other default in its obligations under this **AGREEMENT**. Thereafter, the **AGENCY** shall have a period of sixty (60) days within which to correct the citied deficiencies or defaults; provided, however, if the **AGENCY** commences to cure within such sixty (60) days and proceeding with diligence as determined by the **DEPARTMENT** to complete such cure breach, then the cure period shall be extended for a reasonable period of time in order to correct such breach. If said deficiencies or defaults are not corrected within such time period, the **DEPARTMENT** may, at its option, proceed under one or more or a combination of the following items:

- A. The **DEPARTMENT** may repair any item or a number of items. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
- B. The **DEPARTMENT** may remove or replace any item or number of items with the standard **DEPARTMENT** item. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
- C. The **DEPARTMENT** may demolish the incomplete installation, or part thereof, with **DEPARTMENT** or Contractor's personnel and invoice the **AGENCY** for the cost of such work. The actual cost for such work will be charged to the **AGENCY**.
- D. The **DEPARTMENT** may maintain the **IMPROVEMENTS** or a part thereof, with **DEPARTMENT** or its' Contractor's personnel and invoice the **AGENCY** for expenses incurred.

E. The **DEPARTMENT** may terminate the **AGREEMENT** in accordance Section 12 sub A of this **AGREEMENT**, and remove, by **DEPARTMENT** or private contractor's personnel, all of the **IMPROVEMENTS** installed under this

Agreement or any preceding Agreements and invoice the **AGENCY** the reasonable cost of such removal if the **AGENCY** does not cure such breach within the cure period referred to above.

- F. In the case of an emergency requiring immediate response, the **DEPARTMENT** will endeavor to promptly notify the **AGENCY**. If, however, the **AGENCY** is not able to be notified or cannot respond to the emergency in a timely manner in light of the emergency, then the **DEPARTMENT** may perform the emergency maintenance work and the **AGENCY** shall pay all costs thereof within thirty (30) days of receipt of the invoice.
- G. If there is no standard equivalent item, the **DEPARTMENT** may remove the item in its entirety and restore the area to a condition acceptable to the **DEPARTMENT**. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
- H. At the discretion of the **DEPARTMENT**, the **DEPARTMENT** may terminate the **AGREEMENT** in accordance with Section 12 sub A of the **AGREEMENT** and remove within the limits of the **DEPARTMENT'S** Right-of-Way, by the **DEPARTMENT** or its Contractor's personnel, all of the **IMPROVEMENTS** installed under this **AGREEMENT** and charge the **AGENCY** the reasonable cost of such removal.
- I. If at any time Maintenance is not being performed, or should the structure be deemed unsafe by the **DEPARTMENT**, the **DEPARTMENT** may close the pedestrian bridge within the SR A1A Right-of-way.

#### 5. RIGHT OF ENTRY:

This AGREEMENT shall constitute a right-of-entry on the AGENCY's subject property for the above stated purposes or to perform any function as provided for in this AGREEMENT. From the Effective Date of this AGREEMENT the DEPARTMENT, including its agents and assigns, shall have the right to enter the AGENCY's Property for the following purposes: (1) observing and inspecting the IMPROVEMENTS; (2) removing the IMPROVEMENTS and (3) otherwise performing activities relating to this AGREEMENT.

#### 6. INSPECTION:

The AGENCY at its own expense and by permit (Construction Agreement) shall install the IMPROVEMENTS described in EXHIBIT B (Plans). Before final acceptance of the IMPROVEMENTS, the DEPARTMENT shall inspect the IMPROVEMENTS. The DEPARTMENT may approve the IMPROVEMENTS provided they comply with the Construction Agreement.

#### 7. CASH DEPOSIT:

Throughout the term of this AGREEMENT, the AGENCY shall maintain a CASH DEPOSIT of forty eight thousand, six hundred thirty one dollars, and thirty-five cents (\$48,631.35) to secure any obligations of the AGENCY under this agreement, including, but not limited to, costs of construction, operation maintenance, repair, relocation, adjustment, or removal of the improvement. Interest earnings on the Cash Deposit shall accrue to the DEPARTMENT. In the event that AGENCY fails to comply with the terms and conditions of this AGREEMENT, the DEPARTMENT may recover such sums from the AGENCY as are necessary in order to cure the breach, by applying the Cash Deposit. The Cash Deposit shall be held in perpetuity and will not be released until IMPROVEMENTS are removed and the area is restored to a condition acceptable to the DEPARTMENT. At any time if the Cash Deposit is depleted, the AGENCY shall be required to replenish the Cash Deposit in accordance with the estimate that is reasonable as of the date of the Cash Deposit replenishment to be held in perpetuity.

#### 8. REVIEW OF IMPROVEMENTS RELATED TO CASH DEPOSIT:

This AGREEMENT to maintain the IMPROVEMENTS shall be reviewable every ten years from the date of the permit (Construction Agreement). The terms and conditions of the permit (Construction Agreement), this AGREEMENT and the amount of the Cash Deposit shall be the subject of such review with an examination of whether modifications are required to meet changing conditions. Subjects of such review will include, but not be limited to, insurance coverage and security for the operation; maintenance of the IMPROVEMENTS; and environmental considerations. Any such modifications shall be within the sole discretion of the DEPARTMENT and shall be incorporated within a revised permit issued by the DEPARTMENT. This agreement in no way limits the DEPARTMENT'S rights under the permit (Construction Agreement) including, but not limited to, the right to revoke the permit (Construction Agreement).

#### 9. EMINENT DOMAIN:

A. The construction of the **IMPROVEMENT** does not create or vest any property rights in the **AGENCY**, successor or assigns. The **AGENCY** acknowledges and agrees that its relationship with the **DEPARTMENT** is one of permitor and

permitee and no other relationship either express or implied shall be deemed to apply to the parties under this **AGREEMENT** or the Construction Agreement to be entered into. Revocation of the permit (Construction Agreement) for any cause shall not be deemed a taking under eminent domain or other law so as to entitle the **AGENCY** to compensation for any interest suffered or lost as a result of the permit or this **AGREEMENT**, including any other facts or circumstances arising out of or in connection with the agreement or the permit herein referenced.

- AGENCY hereby waives and relinquishes any legal rights and monetary claims, if Β. any, which it might claim for compensation or damages of any sort, including special damages, severance damages removal costs or loss of business profits, resulting from the AGENCY'S loss of use of the permitted IMPROVEMENTS AGENCY also hereby waives and as provided in this AGREEMENT. relinquishes any legal rights and monetary claims, if any, which it might have for full compensation or damages of any sort as set out above, as a result of AGENCY's loss of use of the IMPROVEMENTS (on the DEPARTMENT rightof-way or adjacent property to the extent necessary to safely remove the **IMPROVEMENTS**) or removal of the **IMPROVEMENTS** as the result of the termination of such rights as set forth in this AGREEMENT. This waiver and relinquishment applies whether or not this AGREEMENT and the referenced permit (Construction Agreement) are still in existence on the date of the termination of this AGREEMENT as provided by its terms. It is the intent of the parties that neither AGENCY or its tenants is waiving any rights under law as to the condemnation of their respective property located outside the A1A right of way, but no claim shall be made for a condemnation award for damages due to the termination of the right to use the IMPROVEMENTS or removal of the **IMPROVEMENTS** as set forth in this **AGREEMENT**.
- C. The **DEPARTMENT** shall have the right to enter upon the **AGENCY's** property to perform any functions as provided for in this **AGREEMENT**. It is expressly stipulated that this **AGREEMENT** is a license for permissive use only and that the placing of facilities upon public property pursuant to this **AGREEMENT** shall not operate to create or vest any property right in said **AGENCY**. It is covenanted and agreed by and between the parties that this **AGREEMENT** shall form a part of the permit issued by the **DEPARTMENT** to the **AGENCY**, and the permit (Construction Agreement) shall form a part of this **AGREEMENT**.

#### 10. INDEMNIFICATION:

The AGENCY shall have any Contractor or Lessee of the adjacent property indemnify the **DEPARTMENT** from any and all claims, suits, liabilities, loss or damage the **DEPARTMENT** may suffer as a result of improvements, construction, maintenance and operations.

#### 11. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the IMPROVEMENTS covered by this AGREEMENT may be removed, relocated or adjusted at any time in the future as determined to be necessary by the DEPARTMENT in order that the adjacent state road be widened, altered or otherwise changed to meet with future criteria or planning of the DEPARTMENT. The AGENCY shall be given one hundred eighty (180) calendar days' notice to remove, relocate or adjust said IMPROVEMENTS after which time the DEPARTMENT may remove same. All permits, fees, and any mitigation associated with the removal, relocation or adjustments of these IMPROVEMENTS are the maintaining AGENCY's responsibility. Additionally, the DEPARTMENT may, if it determines it necessary, require the AGENCY to cause the removal of the subject improvement if the AGENCY fails to complete construction, maintain, operate or repair the structure in accordance with the terms of this AGREEMENT or the Permit (Construction Agreement) related hereto

#### 12. **AGREEMENT** TERMINATION

- A. This **AGREEMENT** may be terminated under any one (1) of the following conditions:
  - 1. If there is a default not cured within the cure period set forth in Section 4, then the **DEPARTMENT** may terminate this **AGREEMENT**, if the **AGENCY** fails to perform its duties under this **AGREEMENT** after ten (10) days' after written notice thereof. Thereafter, the **AGENCY** shall reimburse the **DEPARTMENT** for any expenditures for the installation of said **IMPROVEMENTS** and the cost to remove and or replace said improvement with the standard improvement or remove in its entirety.
  - 2. By the **DEPARTMENT**, for refusal by the **AGENCY** to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the **AGENCY** in conjunction with this **AGREEMENT**.
  - 3. By the **DEPARTMENT** with a six (6) month written notice.

#### 13. **AGREEMENT** TERM

The term of this **AGREEMENT** commences upon execution by all parties. The term of this **AGREEMENT** shall remain in effect until removal of **IMPROVEMENTS**.

#### 14. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the AGENCY'S agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for the IMPROVEMENTS shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, sub consultants, contractors and/or subcontractors. The AGENCY shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence.
- B. In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
  - 1. AGENCY'S contractor shall at all times during the term of this AGREEMENT keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive that the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the DEPARTMENT as an additional insured.
  - 2. AGENCY'S contractor shall furnish AGENCY with Certificates of Insurance of Endorsements evidencing the insurance coverages specified herein prior to the beginning performance of work under this AGREEMENT.
  - 3. Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of AGENCY'S contractor is completed. All policies must be endorsed to provide the **DEPARTMENT** with at least thirty (30) days' notice of cancellation and or/or restriction. If any of the insurance coverages will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

4. Nothing contained herein or in any instruments executed pursuant to this **AGREEMENT** shall be construed as a waiver or attempted waiver of any immunity from, or limitation of, liability the **DEPARTMENT** or **AGENCY** has under the

Doctrine of Sovereign Immunity as it presently exists in the Florida Constitution and Section 768.28 Florida Statutes. Nothing in this **AGREEMENT** shall be construed as consent by the **DEPARTMENT** or **AGENCY** to be sued by third parties in any matter whether arising out of this **AGREEMENT** or anything else whatsoever.

#### 15. E-VERIFY REQUIREMENTS

#### The **AGENCY** shall:

- A. Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the AGENCY during the term of the contract; and
- B. Expressly require any contractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

#### 16. ENTIRE AGREEMENT

This writing embodies the entire **AGREEMENT** and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby except the Construction Agreement, Permit No.: 2020-C-491-00002.

#### 17. FISCAL PROVISION

The **DEPARTMENT**, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The **DEPARTMENT** shall require a statement from the Comptroller of the **DEPARTMENT** that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the **DEPARTMENT** which are for an amount in excess of TWENTY FIVE

THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

#### 18. DISPUTES

The **DEPARTMENT'S** District Secretary shall decide all questions, difficulties and disputes of any nature whatsoever that may arise under or by reason of this **AGREEMENT**, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof. Should the **AGENCY** disagree with the **DEPARTMENT'S** District Secretary's decision, the **AGENCY** may pursue any and all legal and equitable remedies available under this **AGREEMENT**.

#### 19. ASSIGNMENT

This **AGREEMENT** may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT**. Although this **AGREEMENT** is between the **DEPARTMENT** and the **AGENCY** the **DEPARTMENT** consents to the **AGENCY** having third parties perform its obligations under this **AGREEMENT**.

#### 20. LAWS GOVERNING

This **AGREEMENT** shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. Venue with respect to judicial proceedings arising out of this **AGREEMENT** shall be in Broward County, Florida.

#### 21. NOTICES

Any and all notices given or required under this **AGREEMENT** shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses.

#### If to the **DEPARTMENT**:

State of Florida Department of Transportation 3400 West Commercial Blvd Ft. Lauderdale, FL 33309-3421 District Maintenance Engineer

#### If to the **AGENCY**:

City of Fort Lauderdale 100 N Andrews Avenue Fort Lauderdale, FL 33301 Title: City Manager

#### 22. LIST OF EXHIBITS

EXHIBIT A: Project Location, Description and Location MapEXHIBIT B: PlansEXHIBIT C: Maintenance Plan RequirementsEXHIBIT D: Maintenance Elements

**SECTION NO.:** 86180 2020-C-491-00002 **PERMIT NO.:** BROWARD **COUNTY:** S.R. No.: A1A **AGREEMENT NO.: 20200414-1** 

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

**AS TO AGENCY:** 

#### **CITY OF FORT LAUDERDALE**

By: Christopher J. Lagerbloom, ICMA-CM City Manager

Date: 0716 2020

ATTEST FOR Jeffrey A. Modarelli, City Clerk

Approved as to form:

By:

Alain Boileau, City Attorney Date: 7/16/2020

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

DEPARTMENT:

ATTEST:

#### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DocuSigned by:

Sign: Paul A. Lampley, P. E., Directory of Operations Paul A. Lampley, P.E., Director of

Executive Secretary Operations (SEAL)

Print Name: Paul A. Lampley, P. E., Directory of Operati

Date: \_\_\_\_\_ 3:28 PM EDT

Approval as to Form:

DocuSigned by:

Sign: Elizabeth Quintana

for Dawn Raduano, District General Counsel

Print Name: \_\_\_\_\_

Date: 7/20/2020 | 2:20 PM EDT

#### EXHIBIT A

#### PROJECT LOCATION, DESCRIPTION AND LOCATION MAP

#### Location:

The **IMPROVEMENTS** associated with this Agreement are located within the City of Fort Lauderdale, in Broward County, Florida along State Road A1A (South of Seabreeze Blvd. merge), Section 86180 at (M.P.) 2.527.

#### Project Aerial



#### EXHIBIT B

#### PLANS (ATTACHED)

Plans prepared by Marcus O. Unterweger, MUE Engineers, Inc., dated January 10, 2020 as approved by the **DEPARTMENT**.

Sheets Included:

PDF NO.	SHEET NO.	SHEET DESCRIPTION
18	S-0	STRUCTURAL NOTES
19	S-1	TYPICAL DETAILS
20	S-2	WALKWAY DEMOLITION PLAN
21	S-2.01	WALKWAY REPAIR PLAN
22	S-3	SECTIONS AND DETAILS
23	S-3.01	SECTIONS AND DETAILS
24	S-4	SCHEDULES
25	S-5	3D VIEW

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#### 00STRUCTURAL NOTES ELECTRONIC VERSIONS OF STRUCTURAL DRAWINGS ARE THE SOLE,

- COPYRIGHTED PROPERTY OF MUENGINEERS, INC. ELECTRONIC VERSIONS OF DRAWINGS ARE NOT TO BE USED OR TRANSFERRED WITHOUT THE EXPRESS, WRITTEN PERMISSION OF MUENGINEERS, INC.
- 010000-GENERAL: DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY
- DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION
- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING
- SHOP DRAWINGS FOR REVIEW. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY MUENGINEERS' PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE
- ADEQUACY OF THE CONTRACTORS' MEANS OR METHODS OF CONSTRUCTION. SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE ENTIRETY OF ADJACENT STREETS, BUILDINGS AND ALL OTHER STRUCTURES.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE STRUCTURE IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION
- PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY MEANS AND METHODS OF CONSTRUCTION OR FOR ANY RELATED SAFETY PRECAUTIONS OR PROGRAMS
- 010001-DESIGN LOADS
- THE REPAIRS AND MODIFICATIONS TO THE EXISTING BRIDGE STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE AND APPLICABLE REFERENCE STANDARDS.
- ALL VERTICAL ELEMENTS LOCATED ALONG ACCESSIBLE FLOOR AREAS AND SEPARATING SLABS PLACED AT DIFFERENT ELEVATIONS WHEN POSITIONED WITHIN 3'-6" FROM FINISHED FLOOR ELEVATION SHALL, IN ADDITION TO ALL OTHER APPLICABLE LOADS BE DESIGNED AS A GUARDRAIL (FOLLOWING GUIDELINES OF THE FLORIDA BUILDING CODE):
- THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED: o BRIDGE DECK:
  - LIVE LOAD
  - SUPERIMPOSED DEAD LOAD (ALLOWANCE FOR MECHANICAL 5 PSF
  - ELECTRICAL PLUMBING ETC.) o WIND
  - ASCE 7-10

BROWARD COUNTY: RISK CATEGORY III ULTIMATE DESIGN WIND SPEED Vult=170 MPH (3-SECOND GUST) NOMINAL DESIGN WIND SPEED Vasd=132 MPH (3-SECOND GUST) EXPOSURE D

100 psf

- 010004-SHOP DRAWING REVIEW:
- SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT ONLY. SHOP DRAWINGS SHALL BE SUBMITTED VIA E-MAIL TO <u>HYPERLINK</u>
- "mailto:ADMIN@MUENGINEERS.COM" ADMIN@MUENGINEERS.COM PRINTED PAPER COPIES WILL NOT BE REVIEWED AND RETURNED WITHOUT
- MUENGINEERS' REVIEW SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL FRAMING SHOWN ON THESE DRAWINGS INCLUDING, BUT NOT LIMITED TO: CONCRETE MIXES, CONCRETE AND MASONRY REINFORCING, STRUCTURAL STEEL AND CONNECTIONS, STEEL DECK, LIGHT GAUGE FRAMING, WOOD ROOF TRUSS
- FRAMING ELECTRONIC VERSIONS OF STRUCTURAL DRAWINGS ARE THE SOLE, COPYRIGHTED PROPERTY OF MUENGINEERS, INC. ELECTRONIC VERSIONS OF DRAWINGS ARE NOT TO BE USED OR TRANSFERRED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MUENGINEERS, INC. USERS WILL SIGN A RELEASE
- SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, CONSTRUCTION METHODS, DIMENSIONING, OTHER TRADE
- REQUIREMENTS ETC. PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER DRAWINGS WITHOUT CONTRACTOR'S APPROVAL STAMP AND WHICH HAVE NOT BEEN REVIEWED BY THE CONTRACTOR WILL BE RETURNED WITHOUT MUENGINEERS' REVIEW
- MUENGINEERS RESERVES A TWO WEEK SHOP DRAWING REVIEW TIME (FROM THE DATE OF RECEIPT
- IN CASES OF A CONFLICT, INFORMATION PRESENTED ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THAT WITHIN SHOP DRAWINGS, UNLESS SPECIFICALLY NOTED BY MUENGINEERS IN WRITING.
- THROUGH THE PROCESS OF A CURSORY REVIEW, MUENGINEERS ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ERRORS OR OMISSIONS. ANY ERRORS OR OMISSIONS IRRESPECTIVE OF MUENGINEERS' COMMENTS OR DURATION OF THE REVIEW SHALL BE THE RESPONSIBILITY OF AND MUST BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL SERVICE CHARGE EVEN IF SUCH WORK WAS DONE IN ACCORDANCE WITH THE SHOP DRAWINGS CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY
- FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. REVIEW WILL BE LIMITED TO THE FLAGGED AND NOTED ITEMS CAUSING THE RE-SUBMITTAL.
- 010005-SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS: SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT ONLY. SHOP DRAWINGS SHALL BE SUBMITTED VIA E-MAIL TO <u>HYPERLINK</u>
- "mailto:ADMIN@MUENGINEERS.COM" ADMIN@MUENGINEERS.COM
- PRINTED PAPER COPIES WILL NOT BE REVIEWED AND RETURNED WITHOUT MUENGINEERS' REVIEW.
- THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER HOLLOW CORE PLANK DESIGN AND LAYOUT
- RAILING SYSTEMS AND THEIR CONNECTIONS TO THE BRIDGE STRUCTURE o SIGNAGE FRAMING AND SIGNAGE CONNECTIONS TO THE BRIDGE STRUCTURE
- DELEGATED ENGINEER SHALL POSSESS CURRENT PROFESSIOANL LICENSURE IN THE LOCALITY OF THE PROJECT AND SHALL MAINTAIN MINIMUM LIABILITY INSURANCE COVERAGE OF \$1,000,000.
- SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION.
- CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED.
- GENERIC PRODUCTS WILL NOT BE ACCEPTED. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT
- SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE SEAL, DATE AND SIGNATURE
- OF THE DELEGATED ENGINEER. DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL
- STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL
- OF A DELEGATED ENGINEER. REVIEW OF SUBMITTALS BY MUENGINEERS IS LIMITED TO VERIFYING THE FOLLOWING:
  - o THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED. o THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY
  - THE DELEGATED ENGINEER. o THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAILED
  - CHECK OF CALCULATIONS WILL BE MADE). 0 THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK
- OF DIMENSIONS OR QUANTITIES WILL BE MADE). SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED. 020000-EXISTING STRUCTURE:
- ALL EXISTING DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES INDICATED ON THE DRAWINGS SHALL BE VERIFIED BY FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE
- REPORTED TO THE ENGINEER AND ARCHITECT. DRAWINGS HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING CONDITIONS. IF, DURING DEMOLITION, EXCAVATION OR CONSTRUCTION, ACTUAL CONDITIONS ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON
- DRAWINGS, ENGINEER AND ARCHITECT SHALL BE NOTIFIED. • WORK SHOWN ON THESE PLANS ASSUMES THAT THE ORIGINAL CONSTRUCTION
- WAS PERFORMED IN ACCORDANCE WITH THE ABOVE INDICATED ORIGINAL DRAWINGS INCLUDING (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, MEMBER SIZES, MATERIALS, DETAILS, ETC.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE CONDITIONS RELATING TO THE EXISTING STRUCTURE AND TO NOTIFY THE

### DEMOLITION

- ALL EXISTING AND REMAINING STRUCTURAL COMPONENTS SHALL BE X-RAYED AND ALL EXISTING REINFORCING AND PRESTRESSED CABLES SHALL BE LOCATED BEFORE DRILLING OR CUTTING INTO THEM.
- NO EXISTING RRE-STRESSED CABLES OR REINFORCING SHALL BE CUT OR DAMAGED IN ANY WAY UNLESS EXPLICITLY INDICATED AND SPECIFICALLY CALLED
- OUT OTHERWISE ON THE STRUCTURAL DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
- VERIFY ALL DIMENSIONS AFFECTED BY EXISTING CONSTRUCTION PRIOR TO DEMOLITION.
- INFORMATION ON THESE PLANS REGARDING THE EXISTING STRUCTURE WAS TAKEN FROM AVAILABLE RECORD CONSTRUCTION DOCUMENTS. ACTUAL FIELD AS-BUILD CONDITIONS MAY VARY FROM WHAT IS INDICATED ON THE PLANS. ALL DIMENSIONS, ELEVATIONS AND ANY OTHER CONDITIONS OF THE EXISTING STRUCTURE SHALL BE FIELD VERIFIED PRIOR TO DEMOLITION, FABRICATION AND
- INSTALLATION OF NEW BUILDING COMPONENTS. VERIFY WITH THE EOR PRIOR TO REMOVING OR MODIFYING ANY STRUCTURAL MEMBERS THAT HAVE NOT BEEN INCLUDED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS.
- REMOVE, REPLACE, PATCH AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING SELECTIVE DEMOLITION, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.
- SURVEY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS
- INDICATED TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED. WHEN UNANTICIPATED STRUCTURAL ELEMENTS THAT CONFLICT WITH THE
- INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT(S) PROMPTLY AND SUBMIT A WRITTEN REPORT TO THE EOR AND AOR. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE
- REMOVAL OF ANY ELEMENT WILL NOT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION ACTIVITIES.
- PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM SELECTIVE DEMOLITION ACTIVITIES.
- PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED
- STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF SELECTIVE DEMOLITION.
- SHORING LAYOUT AND DESIGN SHALL BE PERFORMED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SHORING SHOP DRAWINGS SHALL BE SUBMITTED TO MUENGINEERS FOR REVIEW PRIOR TO DEMOLITION.
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
- PROTECTIVE RAILING SHALL BE PUT IN PLACE AT ALL CHANGES IN ELEVATION OVER 12". 030001-CONCRETE
- CONCRETE FORMWORK AND SHORING INCLUDING BUT NOT LIMITED TO CONCRETE SLABS AND BEAMS:
  - o DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301.
  - o SHORING DRAWINGS SHALL BE SUBMITTED FOR ALL ELEVATED STRUCTURAL COMPONENTS, INCLUDING BUT NOT LIMITED TO BEAMS AND
  - SLABS, FOR REVIEW AND APPROVAL BY THE ARCHITECT/ENGINEER. o SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA
  - REGISTERED PROFESSIONAL ENGINEER. o DRAWINGS SHALL CLEARLY INDICATE LOADS USED IN THE DESIGN AS
  - WELL AS SEQUENCING AND TIMING RELATING TO ALL SHORING AND RE-SHORING WORK
  - o NO ELEVATED WORK SHALL BE ALLOWED TO PROCEED WITHOUT A PRIOR APPROVAL OF THE SUBMITTAL. o UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, FORMS
  - SHALL NOT BE REMOVED PRIOR TO STRUCTURAL CONCRETE REACHING A MINIMUM OF TWO- THIRDS (COLUMNS) OR THREE-QUARTERS (BEAMS AND SLABS) OF ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
  - o A MINIMUM OF 3 STORIES OF SHORING AND (/OR) RE-SHORING SHALL BE USED WHICH SHALL CONSIST OF ONE COMPLETE SET OF VERTICAL SHORES AND TWO SETS OF VERTICAL SHORES THAT COMPRISE AT LEAST 50% OF A COMPLETE SET. 0 RE-SHORING FOR SLABS AND BEAMS SHALL REMAIN IN PLACE FOR A
  - MINIMUM OF 14 DAYS FOLLOWING PLACEMENT OF CONCRETE. DELEGATED SHORING ENGINEER OR AN AUTHORIZED REPRESENTATIVE
  - SHALL BE REQUIRED TO INSPECT ERECTED SHORING TO ENSURE AS-BUILT CONDITIONS REFLECT THE DESIGN INTENT. DELEGATED ENGINEER SHALL BE REQUIRED TO PROVIDE SIGNED AND
- SEALED WRITTEN REPORTS PRIOR TO ALL CONCRETE POURS VERIFYING THAT THE WORK WAS OBSERVED TO BE IN COMPLIANCE WITH THE DRAWINGS REINFORCING STEEL
- o SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS.
- SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION. WELDED WIRE FABRIC
- TO CONFORM TO ASTM A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. MINIMUM LAP SHALL BE PLUS TWO INCHES. USE OF FLAT MANUFACTURED SHEETS IS RECOMMENDED.
- CONCRETE • SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
  - 6000 psi FOR ALL STRUCTURAL CONCRETE. o CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI
  - STANDARDS AND SPECIFICATIONS.
  - o SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE. • MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE
  - IDENTIFICATION. 0 MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE
  - AGGREGATE.
  - CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC.
  - CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED
  - THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS.
  - 0 IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL BE DISCARDED. o IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE
  - OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE.
  - ALL SLABS (INCLUDING TOPPING SLABS) SHALL BE CURED USING A DISSIPATING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1-D AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE WATER HAS LEFT THE UNFINISHED CONCRETE. SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY. CALCIUM CHLORIDES SHALL NOT BE UTILIZED; OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.

0 ASTM C143: "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT

o ASTM C39: "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF

CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE

CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR

FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S)

ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE

 WATER/CEMENT RATIO SHALL NOT EXCEED 0.40 BY WEIGHT. CORROSION RESISTANT REINFORCING STEEL:

FOLLOWING TESTS ON CAST IN PLACE CONCRETE:

QUANTITIES AND TEST AGE AS FOLLOWS:

1 AT 3 DAYS

1 AT 7 DAYS

2 AT 28 DAYS

CONCRETE." MAXIMUM SLUMP SHALL BE XX INCHES.

AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE

ALL REINFORCING SHALL BE GALVANIZED

CONCRETE TESTING:

#### 030001-CONCRETE (CONT.) POST-INSTALLED ANCHORS

- o POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
- 0 CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
- o CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR AND POST TENSIONING STRANDS WHEN DRILLING HOLES. HOLES SHALL BE
- DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE
- NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD. o ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S
- INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCE AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE
- o SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW. SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THAT THE SUBSTITUTED PRODUCT WILL ACHIEVE AN
- EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE  $\boxed{3}$  REQUIRED BY THE BUILDING CODE.
- o ACCEPTABLE PRODUCTS ARE: ADHESIVE ANCHORS FOR ANCHORING INTO SOLID BASE MATERIAL SET EPOXY-TIE (SET) WITH RETROFIT BOLTS (RFB), BY
  - SIMPSON STRONG-TIE HIT RE 500v3, BY HILTI
  - HIT HY 200-R
- ADHESIVE ANCHORS FOR ANCHORING INTO HOLLOW BASE MATERIAL CONTACT ENGINEER OF RECORD
- EXTRA STOCK THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF 2,000 POUNDS OF ADDITIONAL REINFORCING STEEL, INCLUDING FABRICATION, BENDING, FURNISHING AND INSTALLATION AS REQUIRED FOR USE AS DIRECTED BY THE DESIGN CONSULTANT, HIS AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR.

#### 034100-PRECAST / PRE-STRESSED CONCRETE

- 034107-HOLLOW-CORE SLABS
- FLOORS SHALL BE PRE-STRESSED CONCRETE HOLLOW-CORE SLABS DESIGNED IN ACCORDANCE WITH ACI 318 FOR THE SUPERIMPOSED LOAD LISTED ABOVE: SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED FOR WORK AND
- SUBMITTED FOR REVIEW. SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND IMPRESSED SEAL OF A
- FLORIDA REGISTERED PROFESSIONAL ENGINEER. 055213-RAILING:
- THE CONFIGURATION OF THE RAILING SYSTEM SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS. RAILING SYSTEM AND CONNECTIONS SHALL BE DESIGNED FOR APPLICABLE LOADS AS INDICATED ON THE PLANS AND IN THE LATEST EDITION OF THE
- FLORIDA BUILDING CODE. THE LOADS SHALL BE CLEARLY INDICATED ON SHOP DRAWINGS.
- SHOP DRAWINGS SHALL SHOW AND SPECIFY CONNECTIONS UTILIZED WITHIN THE RAILING SYSTEM AS WELL AS CONNECTIONS TO AND LOADS IMPOSED UPON THE STRUCTURAL SYSTEM SHOWN ON THESE PLANS.
- ENGINEERED RAILING SYSTEM AND CONNECTION OF SAME TO THIS STRUCTURE SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SUBMIT SHOP DRAWINGS BEARING THE SEAL AND THE SIGNATURE OF THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

## **COLUMN LEGEND**



COLUMN ABOVE



DETAIL NUMBER

S0.3

### VIEW REFERENCE SYMBOLS



DETAIL NUMBER OR LETTER S-302

SHEET NUMBER

REFERENCE

OBJECT

→S-302

OVERALL SECTION

SHEET WHERE SECTION IS DRAWN

S-302

	SC	CHEDULE OF VALUES			
ITEM NUMBER	ITEM DESCRIPTION	LOCATIONS	ESTIMATED QUANTITY	UNIT	
1	WATER PROOFING TOP OF BRIDGE SURFACE	COMPLETE BRIDGE AND NEW STAIR SURFACE 4'-3" EAST OF GRIDLINE	SEE PLAN	SF	
2	SURFACE COATING TOP OF THE BRIDGE	COMPLETE BRIDGE AND NEW STAIR SURFACE 4'-3" EAST OF GRIDLINE	SEE PLAN		
3	NEW CONCRETE STAIR	SEE PLANS	SEE PLANS		
4	FDOT PRECAST CONCRETE I BEAM SPALL REPAIR AS PER DETAILS 1/S-1.00 AND 2/S-1.00	EAST OF GRIDLINE J ONLY	125	ft <sup>3</sup>	
5	CONCRETE BEAM REPAIRS AS PER DETAILS 1/S-1.00 AND 2/S-1.00	SEE ELEVATIONS ON SHEET S-3.00	120	ft²	
6	CONCRETE COLUMN REPAIRS AS PER DETAILS 1/S-1.00 AND 2/S-1.00	SEE ELEVATIONS ON SHEET S-3.00	251	ft²	
7	EPOXY INJECTION AS PER DETAIL 3/S-1.00	AS NEEDED	9	ft <sup>3</sup>	
8	EXPANSION JOINT REPAIRS AS PER DETAILS 4/S-1.00 AND 5/S-1.00	GRIDLINES J, K, L AND M	40	ft <sup>3</sup>	
9	DEMOLITION OF EXISTING HOLLOW CORE PLANKS AND STEEL ANGLES	EAST OF GRIDLINE J	SEE PLANS AND SCHEDULES		
10	NEW HOLLOW CORE PLANKS	EAST OF GRIDLINE J	SEE PLANS AND SCHEDULES		
11	REMOVAL OF THE EXISTING STEEL LEDGER ANGLES AND ANCHOR BOLTS	EAST OF GRIDLINE J	SEE PLANS, DETAILS, SECTIONS AND SCHEDULES		
12	NEW STEEL ANGLES AND ANCHOR BOLTS	EAST OF GRIDLINE J	SEE PLANS, DETAILS, SECTIONS AND SCHEDULES		
13	NEW CONCRETE BEAMS AND COLUMNS	AT INTERMEDIATE CONCRETE STAIR LANDING	SEE PLANS, DETAILS, SECTIONS AND SCHEDULES		
14	REMOVAL OF CHAIN LINK FENCE RAILING ON TOP OF FDOT PRECAST I BEAMS	COMPLETE BRIDGE SURFACE 4'-3" EAST OF GRIDLINE	828		
15	NEW CHAIN LINK FENCE RAILING ON TOP OF FDOT PRECAST I BEAMS (REPLACING EXISTING ONE)	COMPLETE BRIDGE SURFACE 4'-3" EAST OF GRIDLINE	828		
16	PRESSURE CLEAN, PRIME AND PAINT THE BRIDGE EAST OF GRIDLINE J	BRIDGE SECTION EAST OF GRIDLINE J	SEE PLANS AND SECTIONS FOR BRIDGE DIMENSIONS		
17	MOBILIZATION		1		
18	DEMOBILIZATION		1		

REMARKS

ALL QUANTITIES INDICATED ABOVE ARE ESTIMATED MAXIMUM QUANTITIES;

ACTUAL QUANTITIES FOR EACH LOCATION SHALL BE RECORDED BY THE GENERAL CONTRACTOR AND BE SUBMITTED WITH PURCHASE ORDER BACKUPS FOR EACH LOCATION AND OCCURANCE. ITEM PAID ON LUMP SUM BASIS - ESTIMATED QUANTITY GIVEN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO FIELD VERIFY QUANTITY PRIOR TO BID DATE. SEE PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. (\*\*)





- CLEAN ALL LOOSE RUST FROM EXISTING REINFORCEMENT USING HIGH PRESSURE WATER OR ABRASIVE BLAST CLEANING (MECHANICALLY POWERED WIRE BRUSHES MAY ONLY BE USED IF ENTIRE CIRCUMFERENCE OF REINFORCEMENT IS ACCESSIBLE) OR OTHER APPROPRIATE MEANS WHERE APPROX. 20% OR MORE OF MATERIAL LOSS HAS OCCURRED TO THE EXISTING STEEL REINFORCEMENT, ADEQUATELY SHORE THE DIRECTLY AND INDIRECTLY AFFECTED MEMBERS AND CONTINUE TO STEP 7, OTHERWISE SKIP STEP 7 BELOW.
- CHIP JUST ENOUGH OF EXISTING CONCRETE TO EXPOSE THE ADEQUATE LENGTH REQUIRED TO INSTALL SPLICE BAR TO MATCH SIZE OF EXISTING REINFORCEMENT. PROVIDED ADEQUATE CONCRETE COVERAGE. BARS MAY BE LAP SPLICED (MINIMUM 48 BAR DIAMETER FOR 3/4" Ø BARS AND SMALLER AND 55 BAR DIAMETERS FOR LARGER BARS). OR WHERE ADEQUATE COVERAGE IS PROVIDED. BARS MAY BE MECHANICALLY SPLICED USING A REBAR COUPLER (SUBMIT PRODUCT INFORMATION TO ENGINEER)
- PREPARE CONCRETE SURFACE TO BE REPAIRED SUCH THAT THE SURFACE IS ROUGH WITH A MINIMUM 1/4" AMPLITUDE, FREE OF DELAMINATIONS AND VOIDS, AND SQUARE ALL EDGES TO ENSURE A MINIMUM 3/8" THICKNESS. CLEAN EXISTING CONCRETE SURFACES OF ALL DIRT, DUST AND OTHER DELETERIOUS MATERIALS SUCH THAT PORE STRUCTURE IS UNCLOGGED AND OPEN. USE BLASTING AND/OR VACUUMING METHODS TO ENSURE PORE STRUCTURE IS PROPERLY
- PREPARED. INSPECT ALL SURFACES FOR FOREIGN MATERIALS WHICH MIGHT INHIBIT BOND. 10. CLEANS AND COAT ALL STEEL WITH CORROSION INHIBITING PRIMER. APPLY (2) TWO COATS AT 10 MILS EACH. ALLOW COATING TO PROPERLY DRY (USUALLY 2-3 HOURS) PRIOR TO APPLYING PATCHING MORTAR. IF COATING DRIES FOR OVER 24 HOURS, **RE-APPLY ONE (1) COAT**
- 1. MOISTEN CONCRETE SURFACES TO BE REPAIRED (SUBSTRATE SHALL BE SATURATED SURFACE DRY (SSD) W/ NO STANDING WATER DURING APPLICATION). 12. APPLY A SCRUB COAT (FLUID PASTE) OF PATCHING MORTAR FILLING ALL PORES AND VOIDS. USE BONDING AGENT\*\*, IN LIEU OF SCRUB COAT FOR OVERHEAD APPLICATIONS ONLY AND WITH PRIOR APPROVAL OF ENGINEER AND SPECIAL INSPECTOR
- 13. WHILE SCRUB COAT OR BONDING AGENT IS STILL WET, APPLY PATCHING MORTAR. USING LOW OR HIGH VELOCITY IMPACT OR OTHER APPROVED INTIMATE CONTACT TECHNIQUE 14. FOR APPLICATIONS WHERE "X" IS GREATER THAN 1-1/2", APPLY PATCHING MORTAR IN LIFTS. SCORE THE TOP SURFACE OF EACH PREVIOUS LIFT TO PRODUCE A ROUGHENED SURFACE OF THE NEXT LIFT. ALLOW EACH PRECEDING LIFT TO REACH FINAL SET (APPROX. 30-50 MINS). REPEAT STEPS 8 AND 9 FOR EACH LIFT. DO NOT EXCEED 8" IN TOTAL DEPTH (NOTE: THIS STEP IS NOT APPLICABLE TO FORM-AND-CAST REPAIRS.
- 15. FINISH REPAIR AREA IMMEDIATELY AFTER INITIAL SET. MATCH FINISH OF EXISTING ADJACENT AREAS. ALLOW AREA TO PROPERLY CURE
- 16. USE ALL PRODUCTS IN STRICT ACCORDANCE W/ MANUFACTURER'S RECOMMENDATIONS. 17. \* SEE PROCEDURE NOTES ABOVE FOR SPLICE LENGTH
- 18. \*\* FOR OVERHEAD APPLICATIONS ONLY: USE BONDING AGENT IN LIEU OF SCRUB COAT (FLUID PASTE). MIX, HANDLE AND APPLY BONDING AGENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. APPLY FRESH PATCHING MORTAR WHILE BONDING AGENT IS STILL WET OR WIN ACCEPTABLE "OPEN TIME", SEE MANUFACTURER'S WRITTEN RECOMMENDATIONS.

1 TYP. OVERHEAD AND VERTICAL CONCRETE SURFACES REPAIR (WITH EXPOSED REINFORCEMENT) S-1.00/ 1 1/2" = 1'-0" IF PRINTED ON 24X36

### GENERAL CONCRETE REPAIR NOTES

- 1. SHORE THE EXISTING STRUCTURE 100% BEFORE STARTING ANY CONSTRUCTION WORK 2. IN THE EVENT THAT MORE THAN 15% OF THE CROSS SECTIONAL AREA NEEDS TO
- BE REMOVED, PRIOR TO THE REMOVAL THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR FURTHER INSTRUCTIONS. REMOVE CONCRETE FROM AROUND OXIDIZED REINFORCING STEEL
- PROVIDE 1/2" OR LESS (AS REQUIRED TO AVOID CUTTING REINFORCING STEEL) DEEP RIGHT ANGLE SAW CUTS. KEEP REPAIR CONFIGURATIONS AS SIMPLE AS POSSIBLE AND UTILIZE STRAIGHT EDGED REGULAR SHAPED PATTERNS AROUND PERIMETER OF REPAIR AREA.
- MECHANICALLY REMOVE ALL LOOSE, DELAMINATED CONCRETE AND DEFICIENT CONCRETE WITH CHIPPING HAMMER TO SOUND CONCRETE. USE A MAXIMUM 15LB CHIPPING HAMMER AND A MAXIMUM 4 LB. SCALING HAMMER SO THAT THE AGGREGATE DOESN'T SUSTAIN MICRO FRACTURING
- 6. EXTEND THE PERIMETER OF THE AREA TO BE REPAIRED AS REQUIRED TO EXPOSE REINFORCING STEEL A MINIMUM OF SIX INCHES FROM THE OXIDIZED PORTION AND NO MORE THAN 4 INCHES FROM THE SAWCUT EDGE OF SPALL 7. IF MORE THAN HALF OF REBAR PERIMETER IS EXPOSED, MECHANICALLY
- UNDERCUT ALL REINFORCING WITH MAXIMUM 15LB CHIPPING HAMMER. PROVIDE MINIMUM <sup>3</sup>/<sub>4</sub>" TO 1" CLEARANCE BETWEEN THE EXPOSED REBARS AND SURROUNDING CONCRETE OR 1/4" LARGER THAN THE LARGEST AGGREGATE IN THE REPAIR MATERIAL, WHICHEVER IS GREATER, CONCRETE REMOVALS SHALL EXTEND ALONG THE BARS TO LOCATIONS ALONG THE BAR FREE OF BOND INHIBITING CORROSION, AND WHERE THE BAR IS WELL BONDED TO THE SURROUNDING CONCRETE
- CREATE HORIZONTAL AND VERTICAL SURFACES WHERE CONCRETE HAS BEEN MECHANICALLY REMOVED.FEATHER EDGING OF REPAIRS SHALL NOT BE ACCEPTED.
- 9. IF NON-CORRODED REINFORCING STEEL IS EXPOSED DURING THE UNDERCUTTING PROCESS, CARE SHALL BE TAKEN NOT TO DAMAGE THE REINFORCING'S BOND TO SURROUNDING CONCRETE. IF BOND BETWEEN BAR AND CONCRETE IS BROKEN, UNDERCUTTING OF THE BAR IS REQUIRED. 10. CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DAMAGE EXISTING STEEL.
- IF ANY STEEL IS DAMAGED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON THE APPLICABLE REPAIR. ANY STEEL THAT IS DAMAGED BY THE CONTRACTOR IS TO BE REPAIRED AT NO ADDITIONAL COST. 11. ALL HEAVY CORROSION AND SCALE SHALL BE REMOVED FROM THE REINFORCING
- BARS AS NECESSARY TO PROMOTE MAXIMUM BOND OR REPLACEMENT REPAIR MATERIAI 12. WIRE BRUSH ALL EXPOSED STEEL REINFORCING TO REMOVE LOOSE CONCRETE.
- 13. REMOVE ANY BOND INHIBITING MATERIALS (DIRT, CONCRETE SLURRY, LOOSELY BONDED AGGREGATES) BY ABRASIVE BLASTING OR HIGH PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVE.
- 14. REMAINING STEEL MUST DISPLAY ACCEPTABLE BONDING WITH EXISTING CONCRETE, IF BONDING IS LOST OR DAMAGED, ADDITIONAL STEEL SHALL BE EXPOSED UNTIL BONDED UNDAMAGED STEEL IS REACHED.
- 15. IF THE EXISTING REINFORCEMENT HAS LOST MORE THAN 20% OF ITS CROSS SECTION, A NEW BAR OF EQUAL SIZE (DIAMETER) SHALL BE DRILLED AND EPOXIED WITH AN EMBEDDED LENGTH AND/OR LAP SPLICE AS INDICATED IN THESE PLANS. IN NO CASE SHALL ANY REBAR BE PLACED WITH A COVER LESS THAN 3 INCHES.
- 16. IF IT IS DETERMINED THAT DAMAGE BY THE CONTRACTOR HAS ADVERSELY EFFECTED THE CAPACITY OF ANY STRUCTURAL COMPONENT, THE CONTRACTOR SHALL PROVIDE A LOAD RATING SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AT NO ADDITIONAL COST
- 17. CHECK THE CONCRETE SURFACES AFTER CLEANING TO INSURE THAT THE SURFACE IS FREE FROM ADDITIONAL LOOSE AGGREGATE, OR THAT ADDITIONAL DAMAGED AREAS ARE NOT PRESENT. 18. SECURE ANY LOOSE REINFORCING IN PLACE BY TYING IT TO OTHER SECURED
- 19. MAINTAIN THE SUBSTRATE IN SATURATED, SURFACE DRY CONDITION OR APPLY BONDING AGENT TO THE CONCRETE SURFACE.
- 20. POUR BACK FULL DEPTH SECTION REPAIRS WITH AN APPROVED, PLASTIC AND WORKABLE CONCRETE MIX THAT ACHIEVES A STRENGTH OF MINIMUM 6000PSI AT 28 DAYS. THE WATER/CEMENT RATIO OF THE MIX SHALL NOT EXCEED 0.40 BY WEIGHT. SURFACES SHALL BE CURED USING A DISSIPATING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1D AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE WATER HAS LEFT THE UNFINISHED CONCRETE.
- 21. PATCH PARTIAL DEPTH REPAIRS WITH A POLYMER MODIFIED VERTICAL REPAIR MORTAR SUCH AS SIKATOP 123 PLUS (7000PSI) OR A BY THE EOR APPROVED EQUAL PRODUCT PER MANUFACTURERS RECOMMENDATIONS. FOLLOW MANUFACTURER'S RECOMMENDATIONS AND REPAIR PROCEDURE STRICTLY. CURE PER MANUFACTURER'S RECOMMENDATIONS
- 22. PATCH MATERIAL SHALL REACH AT LEAST 2/3 DESIGN STRENGTH PRIOR TO

JOINT REPAIR NOTES:

- 1. JOINT REPAIRS SHALL BE COMPLETED PRIOR TO THE APPLICATION OF THE
- METHACRYLATE SEALER REFER TO STANDARD SPECIFICATION 458 FOR INSTALLATION AND CONSTRUCTION REQUIREMENTS
- 3. EXPANSION JOINT REPAIR PROCEDURES SHALL PROCEED AS OUTLINED BEOW A. REMOVE EXISTING JOINT EXPANSION MATERIAL. EXISTING BRIDGE DECK SHALL REMAIN
- B. CLEAN EXISTING JOINT AND PROVIDE POURED JOINT WITH BACKER ROD SYSTEM (POURED JOINT MATERIAL WITH BACKER ROD) IN ACCORDANCE
- WITH STANDARD SPECIFICATION SECTION 458 AND 932. C. REFER TO STANDARD INDEX NO.21110 FOR ADDITIONAL DETAILS AND INFORMATION.
- INSTALATTION: THE JOINT SYSTEM INSTALLER SHALL BE LICENSED BY THE MANUFACTURER. A COPY OF THE LICENCING CONTRACT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. INSTALLATION OF THE JOINT SYSTEM SHALL BE STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE EXISTING JOINT NOSING SHALL BE INSPECTED SOR CRACKS, SPALLS, UNSOUND MATERIAL, ETC. AND PROPERLY REPAIRED AS NEEDED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLING THE EXPANSION JOINT MATERIAL. 5. ACTUAL JOINT OPENING WILL VARY. MATCH EXISTING JOINT WIDTHS.
- 6. WARRANTY: THE CONTRACTOR SHALL PROVIDE THE OWNER(PDOT DISTRICT 6 MAINTENANCE OFFICE, (ROADWAY/ROADSIDE UNIT) WITH A WRITTEN WARRANTY OF THE INSTALLED SYSTEM AGAINST LEAKAGE, ADHESIVE FAILURE, AND JOINT SYSTEM MATERIAL FAILURE. THE WARRANTY SHALL EXTEND FOR A PERIOD OF FIVE (5) YEARS AFTER THE DATE OF FINAL ACCEPTANCE.
- 7. VERIFY EXISTING JOINT OPENINGS BEFORE ORDRING JOINT MATERIAL. THE MINIMUM RECOMMENDED JOINT WIDTH AT THE TIME OF JOINT INSTALATTION IS 1 INCH. UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF A JOINT WIDTH LESS THAN 1/2 INCH, OR MORE THAN 3 INCHES, IS ENCOUNTERED. THE BACKER ROD SHALL ACCOMODATE ANY CHANGES IN JOINT WIDTH ALONG THE LENGTH OF THE JOINT, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE JOINT WIDTH ALONG THE LENGTH OF THE JOINT VARIES BY MORE THAN 1/8".
- 8. THE PRICE AND PAYMENT FOR TE EXPANSION JOINTS SHALL BE FULL COMPENSATION FOR ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE REMOVAL OF EXISTING EXPANSION JOINT MATERIAL, ANY REQUIRED REPAIRS OF THE JOINT NOSING, AND INSTALLATION OF

### **RESTORATION SHEET NOTES**

- GENERAL 1. AREAS OF EXISTING CONCRETE REQUIRING REPAIR ARE INDICATED IN THESE
- DRAWINGS. 2. AFTER REMOVAL OF AREAS OF LOOSE CONCRETE IDENTIFIED IN THESE DRAWINGS, ENGINEER WILL EXAMINE THE EXPOSED STRUCTURAL CONCRETE MEMBERS AND DETERMINE ANDY FURTHER EXTEND OF REQUIRED CONCRETE REPAIR WORK
- NOTIFY THE SPECIAL INSPECTOR FOR OBSERVATION PRIOR TO ALL PHASES OF THE CONCRETE REPAIR WORK INCLUDING MIXING OF REPAIR PRODUCTS, SURFACE PREPARATION, APPLICATION OF BONDING AGENT AND REPAIR MORTAR.
- 4. THE GC SHALL BE RESPONSIBLE TO VERIFY AND CONFIRM ALL CONDITIONS INDICATED ON THE CONSTRUCTION DOCUMENTS AND INFORM THE OWNER AND MUENGINEERS, INC. IMMEDIATELY IF ANY DISCREPANCIES ARE BEING NOTED.
- 5. THE GC SHALL BE RESPONSIBLE TO SHORE AND SECURE ALL SEA WALL COMPONENTS TO PREVENT STRUCTURAL FAILURE OR COLLAPSE PRIOR TO STARTING ANY RESTORATION WORK
- 6. COORDINATED AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE GENERAL CONTRACTOR, CONCRETE REPAIR CONTRACTOR, PRODUCT MANUFACTURER REPRESENTATIVE, SPECIAL INSPECTOR AND ENGINEER OR RECORD PRIOR TO COMMENCEMENT

SAW CUT ALL AROUND AREA TO REPAIR WITHOUT DAMAGING EXIST. STEEL REINF. DEPTH OF SAWCUT SHALL BE 1/4" LESS THAN DEPTH OF EXIST. REINF STEEL COVERAGE AND NO DEEPER THAN DEPTH OF PATCH OR 1/2" (WHICHEVER IS DEEPER); NO "FEATHER

MOISTEN CONCRETE, SSD, AND APPLY SCRUB COAT/BONDING

THOROUGHLY CLEAN EXIST. STL. REINF. AND APPLY CORROSION INHIBITOR TO ALL STEEL REINFORCEMENT

SPLICE BAR TO MATCH SIZE OF EXISTING STEEL REINFORCEMENT

AFTER INSTALLING APPROPRIATE SHORING REMOVE UNSOUND PORTIONS OF EXISTING CONCRETE AND STEEL REINFORCEMENT

CHIP & REMOVE ENOUGH CONCRETE TO FULLY EXPOSE CIRCUMFERENCE OF EXISTING STEEL REINFORCEMENT AND INSTALL **REPAIR/ PATCHING MORTAR** 

ROUGHEN AND CLEAN SURFACE

EXIST. SOUND STEEL REINFORCEMENT



## WIDTH (VARIES)

CRACK REPAIR NOTE: 1. SOUND AREA AROUND CRACKS PRIOR TO INJECTING, TO CONFIRM NATURE OF REQUIRED REPAIR.

### EPOXY INJECTION

 SURFACES ADJACENT TO CRACKS OR OTHER AREAS OF APPLICATION SHALL BE CLEANED OF DIRT, DUST, OIL, AND GREASE OR OTHER FOREIGN MATTER WHICH MAY BE DETRIMENTAL TO BOND OF INJECTION SURFACE SEAL. • ENTRY PORTS SHALL BE PROVIDED ALONG THE CRACK AT INTERVALS OF NOT LESS THAN THE THICKNESS OF CONCRETE AT THAT LOCATION.

 SURFACE SEAL MATERIAL SHALL BE APPLIED TO THE FACE OF THE CRACK BETWEEN THE ENTRY PORTS. ALLOW SURFACE SEAL MATERIAL TO GAIN STRENGTH PRIOR TO INJECTION. INJECTION SHALL BEGIN AT THE LOWEST ENTRY PORT AND CONTINUE UNTIL

THERE IS AN APPEARANCE OF EPOXY ADHESIVE AT THE NEXT PORT ADJACENT TO THE ENTRY PORT BEING PUMPED. THE EPOXY INJECTION SHALL BE TRANSFERRED TO THE NEXT ADJACENT PORT WHERE THE ADHESIVE HAS APPEARED. INJECTION SHALL BE PERFORMED UNTIL CRACKS ARE COMPLETELY FILLED

• WHEN CRACKS ARE COMPLETELY FILLED, EPOXY ADHESIVE SHALL BE CURED FOR SUFFICIENT TIME TO ALLOW REMOVAL OF SURFACE SEAL WITHOUT ANY DRAINING OR RUN-BACK OF EPOXY ADHESIVE MATERIAL. SURFACE SEAL MATERIAL AND ANY ADHESIVE RUNS SHALL BE REMOVED FROM CONCRETE SURFACES. THE FACE OF THE CRACK SHALL BE FINISHED FLUSH WITH CONCRETE, SHOWING NO INDENTATIONS OR PROTRUSIONS CAUSED BY PLACEMENT OF ENTRY PORTS.

• FILLING CORED HOLES: AFTER THE WORK HAS BEEN ACCEPTED BY THE ARCHITECT, CORED HOLES SHALL BE REPAIRED USING A TWO COMPONENT-BONDING AGENT AND A SUITABLE REPAIR MORTAR. THE BONDING AGENT SHALL BE APPLIED TO THE SURFACES OF THE CORED HOLES, FOLLOWED BY APPLICATION OF REPAIR MORTAR PLACED BY HAND TROWEL, THOROUGHLY RODDED AND TAMPED IN PLACE, AND FINISHED TO MATCH COLOR, FINISH, AND TEXTURE OF EXISTING CONCRETE.

## TYP. DETAIL A EPOXY INJECT & SEAL

S-1.00/ 3/4" = 1'-0" IF PRINTED ON 24X36



### PROCEDURE & NOTES:

- 1. REMOVE UNNECESSARY LOADS AND PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING TO STRUCTURAL MEMBERS TO REMOVE LOAD TO MEMBER WHICH IS TO BE REPAIRED. WHERE SHORING IS NOT PRACTICAL OR POSSIBLE, REMOVE EXISTING DETERIORATED CONCRETE AND COMPLETE REPAIRS IN SECTIONS SMALL ENOUGH NOT TO REQUIRE SHORING OR BRACING. STRUCTURAL STABILITY SHALL BE MAINTAINED AT ALL TIMES
- REMOVE LOOSE, UNSOUND AND HONEYCOMBED CONCRETE PREPARE CONCRETE SURFACE TO BE REPAIRED SUCH THAT THE SURFACE HAS A MINIMUM AMPLITUDE OF 1/4", FREE OF DELAMINATIONS AND VOIDS, AND SQUARE ALL EDGES tO ENSURE A MINIMUM 3/8" THICKNESS
- ENSURE PORE STRUCTURE IS PROPERLY PREPARED. INSPECT ALL SURFACES FOR FOREIN MATERIALS WHICH MIGHT INHIBIT BOND. MOISTEN CONCRETE SURFACES TO BE REPAIRED (SUBSTRATE SHALL BE SATURATED SURFACE DRY (SSD) W/ NO STANDING WATER DURING APPLICATION)
- APPLY A SCRUB COAT (FLUID PASTE) OF PATCHING MORTAR FILLING ALL PORES AND VOIDS, USE BONDING AGENT\*\*. IN LIEU OF SCRUB COAT FOR OVERHEAD APPLICATIONS ONLY AND WITH PRIOR APPROVAL APPROVAL OF ENGINEER AND SPECIAL INSPECTOR
- WHILE SCRUB COAT OR BONDING AGENT IS STILL WET. APPLY PATCHING MORTAR. USING LOW OR HIGH VELOCITY IMPACT OR OTHER APPROVED INTIMATE CONTACT TECHNIQUE 9. FOR APPLICATIONS WHERE "X" IS GRETAER THAN 1-1/2", APPLY PATCHING MORTAR IN LIFTS. SCORE THE TOP SURFACE OF EACH PREVIOUS LIFT TO PRODUCE A ROUGHENED SURFACE FOR THE NEXT LIFT. ALLOW EACH PRECEDING LIFT TO REACH FINAL SET (APPROX. 30 MINS.). REPEAT STEPS 4 & 5 FOR EACH LIFT. (NOTE: THIS STEP IS NOT APPLICABLE TO FORM-AND-CAST REPAIRS.) 0. USE ALL PRODUCTS IN STRICT ACCORDANCE W/ MANUFACTURER'S RECOMMENDATIONS.
- 11. \* FOR OVERHEAD APPLICATIONS ONLY: USE BONDING AGENT IN LIEU OF SCRUB COAT (FLUID PASTE). MIX, HANDLE AND APPLY BONDING AGENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. APPLY FRESH PATCHING MORTAR WHILE BONDING AGENT IS STILL WET OR WIN ACCEPTABLE "OPEN TIME". SEE MANUFACTURER'S WRITTEN RECOMMENDATIONS

## 7 TYP. OVERHEAD AND VERTICAL CONCRETE SURFACES REPAIR (WITHOUT EXPOSED REINFORCEMENT) S-1.00/ 1 1/2" = 1'-0" IF PRINTED ON 24X36



SEE TYPICAL EXPANSION JOINT WATERPROOFING DETAIL FOR ADDITIONAL INFORMATION FOLLOW THE MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS/RECOMMENDATIONS

STRICTLY SEE 5/S-1.00 FOR ADDITIONAL INFORMATION

> **4** EXPANSION JOINT RESTORATION DETAIL S-1.00 3" = 1'-0" IF PRINTED ON 24X36

APPLICATION	PRODUCT
BONDING AGENT	ULTRABOND 2
CORROSION INHIBITING COATING	CARBOZINC 859/ CARBOGUARD 893/ CARBOTHANE 133 VOC
VERTICAL AND OVERHEAD REPAIRS	EUCOREPAIRV100
	SIKAQUICK VOH
	PLANITOP XS
HORIZONTAL REPAIRS	EXPRESS REPAIR
FORM-AND-CAST REPAIRS (FULL DEPTH)	EUCOREPAIR SCC
	PLANITOP 11SCC

SUBMIT PRODUCT DATA SHEETS FOR PRODUCTS TO BE USED TO ENGINEER OF RECORD AND KEEP A COPY OF ALL CURRENT PRODUCT SHEETS ON SITE SUBSTITUTIONS WILL BE CONSIDERED. PROPOSED SUBSTITUTIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO USE.





SAWCUT ALL AROUND AREA TO BE REPAIRED WITHOUT DAMAGING EXIST STEEL REINF. DEPTH OF SAWCUST SHALL BE 1/4" LESS THAN DEPTH OF EXIST. REINF. STEEL AND NO DEEPER THAN DEPTH OF PATCH OR 1/4" (WHICHEVER IS DEEPER) (NOTE: NO FEATHER EDGES")

MOISTEN CONCRETE SURFACE SSD, AND APPLY SCRUB COAT

**REPAIR/ PATCHING MORTAR** 

CHIP AND REMOVE EXISTING DAMAGED/ SPALLED/ HONEYCOMBED CONCRETE ROUGHEN AND CLEAN SURFACE

EXIST. SOUND EXIST. SOUND STEEL REINF.

CLEAN EXISTING CONCRETE SURFACE OF ALL DIRT, DUST AND OTHE DELETERIOUS MATERIALS SUCH THAT CONCRETE PORE STRUCTURE IS UNCLOGGED AND OPEN. USE BLASTING AND/OR VACUUMING METHODS TO

ONCRETE REPAIR PRODUCT SCHEDULE MANUFACTURER REMARKS

	TEMAKKO
ADHESIVES TECHNOLOGY CORP.	ONLY FOR PVERHEAD APPLICATIONS, USE SCRUB COAT FOR VERTICAL AND HORIZONTAL APPLICATIONS (OPEN AND UNCLOG CONCRETE PORE STRUCTURE
CARBOLINE COMPANY	APPLY TO ALL EXPOSED SURFACES OF STEEL REINFORCING AND OTHER EMBEDDED STEEL MEMBERS
EUCLID CHEMICAL	TROWEL APPLIED IN LIFTS. MAXIMUM LIFT THICKNESS NOT MORE THAN 1.5
SIKA CORPORATION	INCHES. DO NOT EXCEED 8 INCHES TOTAL THICKNESS
MAPEI	
EUCLID CHEMICAL	TROWEL APPLIED IN LIFTS; MAXIMUM LIFT THICKNESS NOT MORE THAN 1.0 INCHES;
EUCLID CHEMICAL	UP TO 8 INCHES THICK APPLICATIONS; CONTACT ENGINEER OF RECORD FOR
MAPEI	APPLICATIONS OF MORE THAN 8 INCHES THICKNESS

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DRAWING:

S-1.00

TYPICAL DETAILS

Certificate of Authorization No.29348

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STATE OF

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MARCUS O. UNTERWEGER

FL P.E. # 63860

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NOTE: MUE18061201

THESE DRAWINGS. ALONG WITH THE ARCHITECTURAL DRAWINGS. AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT. DETAILS AND VIEWS ON THIS SHEET ARE TO SCALE INDICATED WHEN PRINTED ON A 24"X36" SIZE SHEET.







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KEY VALUE	
2	RUSTED STEEL ANG CORROSION INHIBIT
4	CRACKED AND SPAL SHEET S-1.00
5	CRACKED AND SPAL SHEET S-1.00
6	SEVERELY CRACKED
7	REMOVE TOPPING S
8	RUSTED STEEL ANC COATS OF CORROSI
9	APPLY A WATERPRO
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ETBD BRIDGE PLANK SCHEDULE							
IDENTITY MARK	TYPE DESCRIPTION	TYPE COMMENTS	IDENTITY COMMENTS	PHASE CREATED	PHASE DEMOLISHED		
ETBD-HCP-51	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-52	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-53	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-54	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-55	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-56	6" HCP		5	EXISTING	DEMOLITION		
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ETBD-HCP-58	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-59	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-60	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-61	6" HCP		5	EXISTING	DEMOLITION		
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ETBD-HCP-94	6" HCP		5	EXISTING			
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	6" HCP		5	FXISTING			
ETBD-HCP-97	6" HCP		5	EXISTING	DEMOLITION		
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ETBD-HCP-99	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-100	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-101	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-102	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-103	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-104	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-105	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-106	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-107	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-108	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-109	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-110	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-111	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-112	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-113	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-114	6" HCP		5	EXISTING	DEMOLITION		
ETBD-HCP-115	6" HCP		5	EXISTING	DEMOLITION		

ETR BRIDGE PLANK SCHEDULE								
IDENTITY	TYPE	TYPF	IDENTITY	PHASE	PHASE			
MARK	DESCRIPTION	COMMENTS	COMMENTS	CREATED	DEMOLISHED			
ETR-HCP-1	6" HCP	1	2	EXISTING	None			
ETR-HCP-2	6" HCP	1	2	EXISTING	None			
ETR-HCP-3	6" HCP	1	2	EXISTING	None			
ETR-HCP-4	6" HCP	1	2	EXISTING	None			
ETR-HCP-5	6" HCP	1	2	EXISTING	None			
ETR-HCP-6	6" HCP	1	2	EXISTING	None			
ETR-HCP-7	6" HCP	1	2	EXISTING	None			
ETR-HCP-8	6" HCP	1	2	EXISTING	None			
ETR-HCP-9	6" HCP	1	2	EXISTING	None			
FTR-HCP-10	6" HCP	1	2	EXISTING	None			
ETR-HCP-11	6" HCP	1	2	EXISTING	None			
ETR-HCP-12	6" HCP	1	2	EXISTING	None			
ETR-HCP-13	6" HCP	1	2	EXISTING	None			
ETR-HCP-14	6" HCP	1	2	EXISTING	None			
ETR-HCP-15		1	2	EXISTING	None			
ETR-HCP-16	6" HCP	1	2	EXISTING	None			
ETR-HCP-17		1	2	EXISTING	None			
ETR-HCP-18		1	2	EXISTING	None			
		1	2	EXISTING	None			
		1	2	EXISTING	None			
		1	2		None			
		1	2	EXISTING	None			
		1	2	EXISTING	None			
ETR-HCP-23		1	2	EXISTING	None			
		1	2	EXISTING	None			
ETR-HCP-25		1	2	EXISTING	None			
ETR-HCP-20		1	2	EXISTING	None			
ETR-HCP-27	6" HCP	1	2	EXISTING	None			
ETR-HCP-28	6 HCP	1	2	EXISTING	None			
ETR-HCP-29	6" HCP	1	2	EXISTING	None			
ETR-HCP-30	6" HCP	1	2	EXISTING	None			
ETR-HCP-31		1	2	EXISTING	None			
ETR-HCP-32	6" HCP	1	2	EXISTING	None			
ETR-HCP-33	6" HCP	1	2	EXISTING	None			
ETR-HCP-34	6" HCP	1	2	EXISTING	None			
ETR-HCP-35	6" HCP	1	2	EXISTING	None			
ETR-HCP-36	6" HCP	1	2	EXISTING	None			
ETR-HCP-37	6" HCP	1	2	EXISTING	None			
ETR-HCP-38	6" HCP	1	2	EXISTING	None			
ETR-HCP-39	6" HCP	1	2	EXISTING	None			
ETR-HCP-40	6" HCP	1	2	EXISTING	None			
EIR-HCP-41	6" HCP	1	2	EXISTING	None			
ETR-HCP-42	6" HCP	1	2	EXISTING	None			
ETR-HCP-43	6" HCP	1	2	EXISTING	None			
ETR-HCP-44	6" HCP	1	2	EXISTING	None			
ETR-HCP-45	6" HCP	1	2	EXISTING	None			
ETR-HCP-46	6" HCP	1	2	EXISTING	None			
ETR-HCP-47	6" HCP	1	2	EXISTING	None			
ETR-HCP-48	6" HCP	1	2	EXISTING	None			
ETR-HCP-49	6" HCP	1	2	EXISTING	None			
ETR-HCP-50	6" HCP	1	2	EXISTING	None			

		BEAM SCHEDULE		
IDENTITY MARK	TYPE DESCRIPTION COMMENTS	IDENTITY COMMENTS	PHASE CREATED	PHASE DEMOLISHED
ETBD-RCB-8	EXISTING TO BE DEMOLISHED CONCRETE BEAM	EXSITING CONCRETE BEAM TO BE DEMOLISHED AT THE TIME OF THE STAIR DEMOLITION	EXISTING	DEMOLITION
ETBD-RCB-9	EXISTING TO BE DEMOLISHED CONCRETE BEAM	EXSITING CONCRETE BEAM TO BE DEMOLISHED AT THE TIME OF THE STAIR DEMOLITION	EXISTING	DEMOLITION
ETR STL ANGLE	EXISTING TO REMAIN STEEL ANGLE		EXISTING	None
ETR-PCB-1	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-2	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-3	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-4	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-5	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-6	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-7	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-8	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-9	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-10	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-11	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-PCB-12	EXISTING TO REMAIN PRECAST I BEAM		EXISTING	None
ETR-RCB-1	EXISTING TO REMAIN CONCRETE BEAM		EXISTING	None
ETR-RCB-2	EXISTING TO REMAIN CONCRETE BEAM		EXISTING	None
ETR-RCB-3	EXISTING TO REMAIN CONCRETE BEAM		EXISTING	None
ETR-RCB-4	EXISTING TO REMAIN CONCRETE BEAM	REPAIR CRACKED AND SPALLED CONCRETE BEAM SECTIONS REFERENCED IN SECTION 4/S-3.00 AND 5/S1-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None
ETR-RCB-5	EXISTING TO REMAIN CONCRETE BEAM	NO SPALLS, CRACKS OR DELAMINATED CONCRETE OBSERVED AT THE TIME OF OUR SITE OBSERVATIONS	EXISTING	None
ETR-RCB-6	EXISTING TO REMAIN CONCRETE BEAM	EPOXY INJECT THE CRACKED BEAM SECTIONS INDICATED IN SECTION 9/S-3.00 ON S-3.00 AS PER THE TYPICAL DETAILS INDICATED ON S-1.00	EXISTING	None
ETR-RCB-7	EXISTING TO REMAIN CONCRETE BEAM	EPOXY INJECT THE CRACKED BEAM SECTIONS INDICATED IN SECTION 9/S-3.00 ON S-3.00 AS PER THE TYPICAL DETAILS INDICATED ON S-1.00	EXISTING	None
RCB-8	NEW CONCRETE BEAM	NEW 10"X24" CONCRETE BEAM WITH 3#8 TOP AND BOTTTOM BARS AND #3 TIES AT 10"C/C; TOP AND BOTTOM REINFOCING SHALL BE CONTINUOUS AND NOT BE SPLICED AND HAVE STANDARD HOOKS AT EACH FND	NEW CONSTRUCTION	None
RCB-9	NEW CONCRETE BEAM	NEW 12"X16" CONCRETE BEAM WITH 2#6 TOP AND BOTTTOM BARS AND #3 TIES AT 6"C/C	NEW CONSTRUCTION	None

NEW BRIDGE PLANK SCHEDULE							
	TYPE	TYPE			PHASE		
MARK	DESCRIPTION	COMMENTS	COMMENTS	PHASE CREATED	DEMOLISHED		
HCP-51	6" HCP	3	4	NEW CONSTRUCTION	None		
	6" HCP	3	4		None		
	6" HCP	3	4		None		
HCP-55	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-56	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-57	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-58	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-59	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-60	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-61	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-62	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-63	6" HCP	3	4		None		
		3	4		None		
HCP-66	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-67	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-68	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-69	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-70	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-71	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-72	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-73	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-74	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-75	6" HCP	3	4		None		
	6" HCP	3	4		None		
HCP-77	6" HCP	3	4		None		
HCP-79	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-80	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-81	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-82	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-83	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-84	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-85	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-86	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-87	6" HCP	3	4		None		
		3	4		None		
HCP-90	6" HCP	3	4		None		
HCP-91	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-92	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-93	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-94	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-95	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-96	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-97	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-98	6" HCP	3	4	NEW CONSTRUCTION	None		
		3	4		None		
		<u>২</u>	<u>4</u> Л		None		
HCP-102	6" HCP	3	<u>+</u> Д		None		
HCP-103	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-104	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-105	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-106	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-107	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-108	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-109	6" HCP	3	4	NEW CONSTRUCTION	None		
HCP-110	6" HCP	3	4		None		
HCP-111		3	4		None		
		<u>ა</u> ვ	4 /		None		
HCP-114	6" HCP	3	<u>+</u> Д		None		
HCP-115		3	4	NEW CONSTRUCTION	None		
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COLUMN	SCHE
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ENTITY MARK	TYPE DESCRIPTION	TYPE COMMENTS	IDENTITY COMMENTS	PHASE CREATED	PHASE DEMOLISHED	No.	Description	Date
1	EXISTING TO REMAIN CONCRETE COLUMN		NOT INCLUDED IN THE PROJECT SCOPE	EXISTING	None	Sers.cc		
2	EXISTING TO REMAIN CONCRETE COLUMN		NOT INCLUDED IN THE PROJECT SCOPE	EXISTING	None	Engine		
3	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE SPALLED CONCRETE SECTIONS REFERENCED IN SECTION 6/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None	@WNE		
4	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE SPALLED CONCRETE SECTIONS REFERENCED IN SECTIONS 7/S-3.00 AND 8/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None	rtinez(		
5	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE CRACKED SPALLED CONCRETE SECTIONS REFERENCED IN SECTIONS 7/S-3.00 AND 8/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None			
6	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE CRACKED AND SPALLED CONCRETE SECTIONS REFERENCED IN SECTION 12/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None	evit17_		
7	EXISTING TO BE REPLACED COLUMN		REPLACE THE EXISTING COLUMN WITH A 14"X14" RC COLUMN WITH 8#6 VERTICAL REBARS (3 PER FACE) AND #3 TIES @12"C/C VERTICAL SPACING	NEW CONSTRUCTION	None	1-sRe		
8	EXISTING TO REMAIN CONCRETE COLUMN		NOT INCLUDED IN THE PROJECT SCOPE	EXISTING	None	06120		
9	EXISTING TO REMAIN CONCRETE COLUMN		NOT INCLUDED IN THE PROJECT SCOPE	EXISTING	None	JE180		
10	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE CRACKED SPALLED CONCRETE SECTIONS REFERENCED IN SECTION 6/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None	nts/Ml		
11	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE CRACKED AND SPALLED CONCRETE SECTIONS REFERENCED IN SECTIONS 7/S-3.00 AND 8/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None			
12	EXISTING TO REMAIN CONCRETE COLUMN		NO SPALLS, CRACKS OR DELAMINATED CONCRETE OBSERVED AT THE TIME OF OUR SITE OBSERVATIONS	EXISTING	None	Jy Do		
13	EXISTING TO REMAIN CONCRETE COLUMN		REPAIR THE CRACKED SPALLED CONCRETE SECTIONS REFERENCED IN SECTION 12/S-3.00 ON S-3.00 AS PER THE REPAIR DETAILS INDICATED ON S-1.00	EXISTING	None	inez/N		
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NOTE: MUE18061201 THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT. DETAILS AND VIEWS ON THIS SHEET ARE TO SCALE INDICATED WHEN PRINTED ON A 24"X36" SIZE SHEET.



CONSULTING STRUCTURAL ENGINEERS

<u>PLANK SCHEDULE NOTES:</u>
1. EXISTING TO REMAIN PRECAST CONCRETE PLANK
2. NOT INCLUDED IN THE PROJECT SCOPE
3. DESIGN BY THE MANUFACTURER'S SPECIALTY ENGINEER; PROVIDE MINIMUM 1 1/2" CONCRETE COVERAGE AND UTILIZE AT A MINIMUM 5000PSI CONCRETE WITH A MAXIMUM WATER CEMENT BATIO OF 0.4

MINIMUM 5000PSI CONCRETE WITH A MAXIMUM WATER CEMENT RATIO OF 0.4
PROVIDE TWO 4X4X1/4" EMBED PLATES WITH 1/2" DIA. WELDED THREADED RODS AT BOTH ENDS WITHIN THE TOP SURFACE AND WELD THEM TO THE CONTINUOUS BEARING ANGLE BOLTED TO THE FACE OF THE EXISTING CONCRETE I BEAM
REMOVE / DEMOLISH THE EXISTING PRECAST CONCRETE HOLLOW CORE PLANK; SEE PLANS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION

3440 N.E. 12TH AVENUE OAKLAND PARK, FL 33334 PH: 954-324-4730 FAX: 954-653-4170



801 Seabreeze Blvd Fort Lauderdale, FL 33316

08.06.2018

BAHIA MAR WALKWAY

DATE:

DocuSign Envelope ID: 70478D32-1DAC-4EB3-B908-329BACECC1C3



#### EXHIBIT C

#### MAINTENANCE PLAN REQUIREMENTS

The AGENCY shall submit to the **DEPARTMENT** a maintenance plan detailing the means and methods for accomplishing repairs to the bridge deck replacement and bridge restoration in accordance with all **DEPARTMENT** Standards, Procedures and Specifications. This plan must be submitted and approved by the **DEPARTMENT** prior to commencing any maintenance or repair activities. The plan should at minimum detail how the **AGENCY** will address the following:

- 1. Providing for continuous traffic control and necessary traffic control devices as required for the safe movement of traffic of vehicular and pedestrian traffic past the location of the structure being repaired for the duration of the repair in accordance with **DEPARTMENT** Standards, Procedures and Specifications.
- 2. Protection of adjacent surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets during the preparation and recoating of surfaces.
- 3. Containment of debris or materials used in or resulting from the repair.

After the maintenance plan is approved, the **AGENCY** shall submit a work plan to the **DEPARTMENT** for approval prior to each repair to be performed detailing:

- 1. The proposed date of the repair
- 2. The location of the repair
- 3. The nature of the repair
- 4. The materials to be used for the repair
- 5. The methods to be used for the repair

#### EXHIBIT D

#### MAINTENANCE ELEMENTS

The AGENCY shall maintain certain elements within the FDOT Right-of-way as listed below:

- 1. Keep bridge walking surface free of sand and debris, daily.
- 2. Touch-up painted surfaces, weekly.
- 3. Pressure wash bridge walking surface; maintain or repair as necessary, quarterly.
- 4. Flush bridge drains, quarterly.
- 5. Check deck joints for leakage and replace seals where needed, as needed.
- 6. Visually inspect entire bridge including protective fencing for signs of rust and corrosion, as well as concrete spalling; maintain or repair as necessary, quarterly.
- 7. Structural inspection of bridge by a Professional Engineer; take appropriate actions as necessary. Bi-annually for first six (6) years, then annually thereafter unless PE recommends otherwise (more or less frequently).

It will be the responsibility of the AGENCY to maintain the features described in this agreement.

#### Frederick, Angelene

From: Sent: To: Cc: Subject: Raduano, Dawn Thursday, July 16, 2020 5:23 PM Kimberly Mosley Frederick, Angelene; Kathryn Nembhard RE: MMOA for the Pedestrian Bridge

Correct.

#### Thank you.

Dawn Raduano Assistant General Counsel Florida Department of Transportation District Four Chief Counsel's Office 3400 West Commercial Blvd. Ft. Lauderdale, FL 33309 Phone: (954) 777-4508 Fax: (954) 777-4528 Email: <u>dawn.raduano@dot.state.fl.us</u>

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From: Kimberly Mosley <KMosley@fortlauderdale.gov>
Sent: Thursday, July 16, 2020 4:03 PM
To: Raduano, Dawn <Dawn.Raduano@dot.state.fl.us>
Cc: Frederick, Angelene <Angelene.Frederick@dot.state.fl.us>; Kathryn Nembhard <KNembhard@fortlauderdale.gov>
Subject: MMOA for the Pedestrian Bridge

#### EXTERNAL SENDER: Use caution with links and attachments.

Dawn,

This will confirm our instant conversation wherein you advised that we may provide Angelene with a scanned PDF bearing the signatures by the City officials on the MMOA and that Angelene will be able to provide to you, so that you will be able to execute your portion utilizing DocuSign. Thanks for your help.

Regards, Kimberly Cunningham Mosley Assistant City Attorney 100 North Andrews Avenue Fort Lauderdale, FL 33301 (954) 828-5009 | <u>kmosley@fortlauderdale.gov</u>



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