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Hallandale Beach
PROGRESS. INNOVATION. OPPORTUNITY.

INVITATION TO BID (ITB)
BID # FY 2018-2019-001

CITY OF HALLANDALE BEACH
A-1-A BRIDGE PAINTING IMPROVEMENTS PROJECT

EXHIBIT A – TECHNICAL SPECIFICATIONS

PREPARED BY:
CITY OF HALLANDALE BEACH
DEPARTMENT OF PUBLIC WORKS
AND
PROCUREMENT DEPARTMENT

May 11, 2018

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SPECIFICATIONS

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SPECIFICATIONS

STANDARD SPECIFICATIONS

The Standard Specifications to be used for this work shall be Division IV of the Florida Department of Transportation (FDOT) *Standard Specifications for Road and Bridge Construction*, 2018 Edition or latest and all Supplemental Specifications.

The apparent silence of the (FDOT) *Standard Specifications for Road and Bridge Construction* as to any detail or the apparent omission from them of a detailed description concerning any work to be done and materials to be furnished shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used. Interpretation of these specifications shall be made upon that basis.

If instructions contained in this specification, bid documents or painting schedule are at variance with the paint manufacturer's instructions or the applicable standard, and codes listed, surfaces shall be prepared and painted to suit the higher standard, as determined by the City's representative.

SCOPE OF WORK

The scope of work for this project consists of painting the A1A Bridge located at East Hallandale Beach Boulevard and Ocean Drive (A1A). Work in general includes surface preparation and application of the paint coating to the substrates and systems outlined in this specification and approved by the City of Hallandale Beach. Existing bridge walls currently painted in "coral" (red color) will be painted in blue (for better contrast as preferred by the City) while the portions of the bridge currently in gray (i.e., concrete) will be re-painted with the lighter gray color. The colors (gray and blue) final selection to be texted and approved by The City. The bridge will also feature decorative strips on the east side that match the City's "H" logo. Exhibit B shows the limits of the project.

Inclusions:

- Contractor is to pressure clean all surfaces to be coated.
- Contractor is to use a detergent and/or bleach solution or similar as needed
- Areas to be coated:
  a. Concrete barrier walls
  b. Ramp walls approaching the drawbridge, including the walls under the bridge.
  c. Underside of bridge
  d. Columns
- Color and sheen is the responsibility of The City/Representative
  a. Choice of color may determine the number of required coats

Exclusions:

- Metal/Steel components of the bridge
- MSE wall-West face of the bridge (Manatees artwork)
- Areas that are not noted in the specification, contract or scope of work documents. For Project Limits see Exhibit A.

IMPORTANT NOTES

Contractor must strictly adhere to all applicable federal, state and local regulations associated with proper lead-safe work renovation, repair and painting particles and procedures. State and local regulations may be stricter than those set under the federal regulations. The federal particles and procedures are detailed in EPA's Lead Renovation, Repair and Painting Program Regulations Rule (RRP) 40 CFR Part 745, Subpart E, and as amended. Specifics associated with the RRP Rule pertaining to "Firm Certification", individual "Certified Renovator" Certification, pre- work activities (notification & testing), occupant protection/work site preparation measures, safe work/prohibited work practices, clean-up/clean-up verification/waste disposal/clearance testing (if applicable), recordkeeping and worker training criteria can be obtained on EPA's website: www.epa.gov/lead.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1.800.424.LEAD (in US) or Contact your local health authority. Removal and all related state and local regulations. Care should be taken to follow all state and local regulations which may be stricter than those set under federal RRP Rule.

COATING SCHEDULE

Coating shall comply with FDOT *Standard Specifications for Road and Bridge Construction*, 2018. Section 400-19. Section 400-15.2.6, as well as other applicable Sections.

Surface Preparation

A. Clean all joints by removing any foreign matter or contaminants. Surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling

paint or other contamination to ensure good adhesion.

B. Porous materials are usually treated by mechanical means and nonporous surfaces by a solvent wipe that is compatible with the building substrate being used. Note: For porous surfaces, the use of detergent or soap & water is NOT recommended.

C. Priming: Primer must be applied according to manufacturer's specifications within the product data sheet. DO NOT allow pooling or puddling

- **Submittals**

  A. Manufacturer's certifications that product used meets the specifications.

  B. Manufacturer's installation instructions.

  C. Certification of proper installation from Manufacturer's Representative.

MATERIALS

1. Delivery Tickets

   Submit a copy of all delivery tickets for materials used on the project, regardless of the basis of payment.

2. All paint shall be delivered to the job site in the original container with the manufacturer's label intact.

3. Paint shall be used and applied per label and manufacturer's product data sheet instructions. Paint/material shall not be thinned or modified in any way unless specified herein. Manufacturer's recommendation for proper surface preparation shall be followed.

4. All paint, materials and equipment at the job site shall be available for inspection at any time upon commencement of the project by the City Representative or Manufacturer's representative.

SAFETY

All pertinent safety regulations shall be adhered to rigidly. In addition, all safety standards noted on the manufacturer's Product Data Sheets and labels shall be observed. Safety Data Sheets and Product Data Sheets are available from the Manufacturer's representative or outlet.

The existence of lead-based paints on this project must be verified. Buildings constructed after 1978 are less likely to contain lead-based paints, however if Contractor suspects lead-based paints

are contained on the bridge, all removal must be done in accordance with the EPA Renovation, Repair and Painting Rule or similar state regulation.

JOBSITE VISITATION

1. Contractor shall be responsible for visiting the jobsite and familiarizing themselves with the job site and working conditions.
2. All work is subject to inspection by the City Representative.
3. Contractor must own and use wet film thickness gauges to verify paint application thickness is sufficient and meets requirements within manufacturer's product data sheet.
4. Contractor and the City's Representative have complete responsibility for ensuring that the project specifications are followed, notwithstanding periodic visits to the project by the Manufacturer's Representative.
5. Questions concerning the specifications are to be clarified prior to commencement of work. Changes to the specifications must be approved by the City's Representative and Manufacturer's Representative.

SURFACE PREPARATION

1. Contractor is responsible for preparing each substrate per the specifications. If a substrate is not suitable to produce a proper coating, the City Representative shall be notified, in writing, and no material(s) shall be applied to the unsuitable substrate until all parties determine a satisfactory solution.
2. Commencement of work in a specific area shall be construed as acceptance of substrate(s) and thereafter as fit and proper to receive finish. Contractor is fully responsible for satisfactory work.
3. All deteriorated or delaminated substrates shall be replaced. New substrates must be primed on all sides prior to installation in accordance with Manufacturer's product data sheet specifications.
4. All substrates to be painted shall be pressure cleaned and/or scraped to remove peeling/loose coatings, dirt, mildew, chalk and foreign materials detrimental to the new finish (see Pressure Washing).
5. Thoroughly sand glossy surfaces to create a profile for paint and/or primer to adhere to.
6. Masonry pH levels are to be tested by The Contractor.
7. Masonry substrates must be pressure washed and scrubbed with a cleaner/degreaser. Loose/peeling coatings, delaminated substrates, dirt, efflorescence, chalk and other surface contaminants must be removed. After cleaning if chalk is evident it must be brought to the City's attention in writing before further work is completed.

MOISTURE

Areas where moisture can cause paint failures must be resolved prior to coating, including but not limited to:

1. Previous coats of paint not adhering properly
2. Areas affected by water splashing
3. Painting in inclement weather
4. Painting an un-dry substrate
5. Un-caulked voids

PRESSURE WASHING & SURFACE PREPARATION

1. Pressure wash to remove oil, grease, dirt, loose mill scale and/or loose/peeling coatings by water at pressures of 2500+ psi and in accordance with the Manufacturer's product data sheet.

   Tools: Stiff brush, garden pump sprayer or chemical injector power washer method.

2. Refer to page 3 of the specifications, Important Notes-Exposure to lead dust or fumes due to the pressure washing/paint removal.

APPLICATION

1. Contractor must notify the City of Hallandale Beach before commencing work if conditions exceed the Scope of Work.
2. Contractor must protect their work and adjacent work and materials by suitable covering and/or other methods during progress of work. Upon completion of work, The Contractor must remove all droppings and/or over-spray, they created, on substrates not being coated. Contractor must remove all rubbish and accumulated materials, not caused by nature, and must leave their areas of work in a clean, orderly and acceptable condition daily.
3. Remove and protect hardware, accessories, device plates, lighting fixtures, factory finished work and similar items or provide ample in-place protection. Upon completion of each space, carefully replace all removed items.
4. Materials shall be applied under adequate illumination, evenly spread and flowed on smoothly to avoid runs, sags, holidays, brush marks, air bubbles and excessive roller stipple.

WORKMANSHIP & APPLICATION CONDITIONS

1. Keep surface dust, dirt and debris free before, during, and after coating, until coating is cured.
2. Execute work in accordance with manufacturer's product data sheet directions. Coating application shall be made in conformance to this specification and to the manufacturer's instruction on the Manufacturer's Product Data Sheets.

3. All work shall be accomplished by persons with the necessary skill, expertise and qualifications to do the prescribed work in a competent and professional manner.
4. All shrubbery, outside carpeting and sprinkler systems shall be fully protected against damage during each stage of the painting project.
5. Previously coated surfaces, are to be recoated unless otherwise noted.
6. Any potentially hazardous substrate shall be reviewed with The City's Representative and all necessary safety precautions must be fully taken to ensure worker's safety.
7. City shall provide water and electricity from existing facilities, unless otherwise noted.
8. Safety and "wet paint" signage, necessary lighting and barricading or temporary roping off around work areas shall be installed and maintained in accordance with OSHA requirements while the work is in progress.
9. Contractor must furnish progress schedules to the City's Representative to prepare for the work to be performed, advise residents, relocate vehicles, etc., Contractor shall advise the City's Representative of areas in which work is scheduled to be performed in advance for coordination purposes.
10. Contractor must not paint over any code required labels or any equipment identification, performance rating, name or nomenclature plates.

WEATHER

1. All coatings are to be applied in accordance with the manufacturer's product data sheets in regards to weather conditions. Halt work early enough in the day to permit paint film to set before condensation caused by night temperature drops occurs.
2. Do not begin painting until surfaces are moisture free.

COLOR SCHEDULE

The A1A Bridge paint colors will be selected from the Federal Standard 595B colors.

Contractor should be aware that certain colors, especially darker tones, fade more rapidly than other colors, regardless of the product manufacturer, product type, or substrate to which the product is applied. It is advisable for the Contractor to consult with manufacturer and the City Representative early in the planning stage to assure the most durable combination of tinting formulation is used to achieve the desired color.

This specification has been written for the purpose of identifying the products and procedures to be followed based upon the scope of work herein defined. A preliminary visual inspection was performed prior to writing these specifications. However, the inspection and these specifications do not necessarily encompass certain pre-existing conditions and/or inherent problems that may exist in the structure. These conditions may be, but are not limited to: stucco and/or masonry degradation and/or any other existing conditions which may directly or indirectly affect the adhesion and performance of any newly applied coating system. Therefore, it may be necessary to

solicit the expertise of a professional engineer with expertise in this type of project to determine any additional remedies to be implemented in conjunction with these specifications.

Specifications and manufacturer's product data sheet directions should be thoroughly understood and followed to comply with all warranty requirements. Any deviation from specifications, product label directions, or manufacturer's product data sheet pages without consent from the appropriate Sherwin-Williams manufacturer's representative may result in the voiding of all warranties. The contractor will be solely responsible for all warranty claims made on any warranty that has been found void.

LABORATORY TESTING

All testing for this project shall be performed at Contractor's Expenses. The testing laboratory must be approved by the City.

Samples and tests used for determining the quality and acceptability of the materials and workmanship, which have been or are to be incorporated in the Work, must conform to the requirements of the State of Florida Department of Transportation Materials Sampling, Testing and Reporting Guide, latest edition.

Testing shall also be in accordance with the applicable portions of the *FDOT Standard Specifications* and these specifications.

MEASUREMENT AND PAYMENT

a. All work completed under the terms of this contract shall be measured according to United States Standard Measures.

b. All measurements shall be taken horizontally and/or vertically unless specifically provided otherwise.

c. No payment will be made for construction over a greater area than authorized, nor for material moved from outside of stakes and data shown on the plans, except when such work is performed upon instructions of the City's Representative.

d. Contractor shall accept compensation provided under the terms of this contract as full payment for furnishing all materials and performing all work specified under this contract. Such compensation shall also be for any and all loss or damage arising out of the nature of the work or from the action of the elements, or from any unforeseen difficulties or obstructions encountered during the contract period until final acceptance by the City.

e. Whenever any change, or combination of changes, on the plans results in an increase or decrease in the original contract quantities, and the work added or decreased/eliminated is of the same general character as that called for on the plans, the Contractor shall accept

payment in full at the original contract unit prices for the actual quantity of work performed, with no allowance for any loss of anticipated profits.

f. It is the Contractor's responsibility to perform a detailed quantity take-off from the plans to determine actual quantities for ordering and delivery purposes. The City will not be responsible for quantities ordered in excess of those installed and constructed. The Contractor should be aware that some of the pay items may have contingency quantities. Payment shall be made only for final in-place quantities.

   No payment shall be made for contingency quantities or additional work unless otherwise directed and approved in writing by the City's Representative.

g. Bid Form Completion - the blank spaces in the bid shall be filled in correctly where indicated for each and every item for which a description is given, as the bidder must state the unit prices for which he proposes to do each part of the work contemplated, and the total price for all the parts included in any or all of the combinations of the work. In case of a discrepancy, the written words for "unit price", where stated, shall be considered as being the unit price.

COOPERATION WITH OTHERS

Contractor shall cooperate with The City of any underground or overhead utility lines in their removal and/or adjustment operations, in order that these operations may progress in a reasonable manner and that service rendered by these parties will not be interrupted. The City shall not be responsible for costs associated with delays, disruptions and remobilizations attributed to utility agency scheduling.

SITE INVESTIGATION

Contractor acknowledges their knowledge of the nature and location of the work; the general and local conditions, including but not restricted to those bearing upon transportation, disposal, handling and storage of materials; availability of labor, water, electric power, roads; and uncertainties of weather, water stages, tides 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 prosecution of the work.

Contractor further acknowledges that he has satisfied himself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered.

Failure by Contractor to acquaint himself with the available information will not relieve Contractor from responsibility for estimating properly the difficulty or cost of successfully performing the work.

City assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information made available by the City. City also assumes no responsibility for any understanding or representations made by its officers or agents during or prior to the execution of this Contract, unless (1) such understanding or interpretations are made in writing by the City or are expressly stated in the Contract and (2) the Contract expressly provides that the responsibility therefore is assumed by the City.

PROJECT SCHEDULE

Contractor shall submit a detailed Critical Path Method (CPM) construction schedule within 15 days of the notification of award or its intent for the City to review. The submittal shall meet the following requirements:

- Schedule shall be submitted electronically in portable document format (PDF) and on 11-inch by 17-inch paper.
- The time scale (horizontal) shall be in weeks. The activities shall be listed on the left hand side (vertical).
- Activities shall show most Work activities. The listing from top to bottom shall be in a logical sequence of how the Work will be accomplished. Space shall be provided between activities or within bars to allow for marking of actual progress.

CPM schedules, clearly showing progress made, shall be submitted on a monthly basis during the progress of the work at the monthly meeting. Review or acceptance will neither impose on the City responsibility for the progress or scheduling of the Work, nor relieve Contractor from full responsibility therefore.

Contractor shall provide a revised CPM schedule if, at any time, the City considers the completion date to be in jeopardy because of delayed activities. Activities that cannot be completed by its original or latest completion date shall be deemed to be delayed or behind schedule. A revised CPM schedule is designed to show how the Contractor intends to accomplish the Work to meet the contractual completion date. The form and method employed by the Contractor shall be the same as for the original CPM schedule. The cost to prepare and revise the schedule is considered incidental to the Work.

PROJECT IDENTIFICATION SIGNS

Contractor shall be responsible for furnishing, installing and maintaining two (2) City project identification signs and removal of same upon completion of the construction. Project identification

sign shall be constructed and maintained at the project site as directed by the City. Contractor shall erect, maintain and relocate the sign as directed for the duration of the Project.

Contractor shall mount the sign using 4-inch pressure treated lumber or as approved by the City, and other supports as required, at a location mutually agreed by the City and Contractor.

Identification signs shall not be less than 32 square feet in area. Contractor shall coordinate with Owner for the sign verbiage before fabrication. Signs shall contain the following content:

- Title of Project
- Name of City
- Names and Titles of authorities, as directed by City
- Prime Contractor
- Construction Cost

Signs shall be erected prior to commencement of work at a lighted location of high public visibility, adjacent to the main entrance at each end of the project, as approved by the City Engineer/Representative.

Signs shall be a minimum of 8 feet wide and 4 feet high. Signs shall be constructed of high density ¾-inch exterior plywood without waves or buckles, mounted and braced with pressure treated lumber as necessary and maintained in a presentable condition for the duration of the project. Hardware shall be galvanized and the surface of the sign shall be of exterior softwood plywood with medium density overlay.

Signs shall be constructed with materials to resist weathering and fading during the construction period. Experienced professionals shall construct the sign.

Payment for installing and maintaining the project identification signs shall be included as part of the lump sum quantity under Pay Item Number 1 (101-1) for Mobilization. The sign will remain the property of the City upon completion of the Project unless otherwise.

SOIL EROSION AND SILTATION

Contractor shall plan and control the Work to minimize all soil erosion and the siltation of drains and canals resulting from such erosion.

At the pre-construction meeting, Contractor shall present his proposed plan and schedule, which shall specifically indicate the proposed usage of temporary erosion control features.

SHOP DRAWINGS

Contractor shall submit to the Engineer for approval, all working drawings and shop drawings with descriptive specifications and engineering calculations necessary for the successful completion of Work. Shop drawings shall be submitted along with a submittal log in pdf format. The number of the submittal should follow the number on the submittal log. Each shop drawing shall have a cover sheet and reference the submittal log number, following the sample format provided in the contact documents.

Working drawings and shop drawings shall be certified by a Florida licensed Professional Engineer and state that the design is sufficient for the successful completion of the Work. Working drawings and shop drawings shall include, but not be limited to:

- Maintenance of Traffic (MOT) Plan
- Erosion & Sedimentation Control Plan
- Shop Drawings as required by FDOT Standard Specifications

Contractor is responsible for maintaining a Submittal Activity Record (Logbook) on this project. Contractor shall submit all shop drawings to the City of Hallandale Representative for the appropriate review.

The Shop Drawing Logbook shall be updated each time a Shop Drawing is submitted.

The Shop Drawing Logbook shall be a historical record of activity devoted to an individual submittal as well as for the project as a whole. The Shop Drawing Logbook can serve as a verification of review time, to respond to inquiries of a particular submittal's status and as a record of manpower effort to aid in estimating and allocating future workload.

MAINTENANCE OF TRAFFIC

Contractor shall provide access to local businesses and residents at all times. Road closures will not be allowed between the hours of 7AM to 4PM. Temporary by-pass lanes may be constructed at all tie-in locations during the MOT phasing. Payment for temporary by-pass lanes shall be included in Maintenance of Traffic. Business Entrance signs per FDOT Index 17355 (FTP-59) shall be placed at all business entrance points and maintained during all phases of construction. Payment for these items shall be included under the pay item for Maintenance of Traffic.

Contractor shall prepare a Maintenance of Traffic plan and submit it to the City of Hallandale Representative for review prior to implementation. MOT plan must comply with all FDOT safety criteria, FDOT Design Standards 600 Series Indexes, FHWA and MUTCD standards, and allow for traffic to operate in daytime or nighttime. The Maintenance of Traffic Plan will require the seal of a Florida licensed Professional Engineer with a current FDOT Advance Work Zone certification

if any change is made to the FDOT Index 600 Series. No lane road closures will be allowed without approval from the City of Hallandale Representative.

DUST CONTROL

The Contractor shall control dust resulting from construction operations at all times. The locations and frequencies of applications shall be as directed by the City of Hallandale Representative. Dust control is required to be in accordance with the FDOT *Standard Specifications* Section 102-5. Payment for Dust Control shall be made under Mobilization unless separate pay item for Dust Control is specified.

The cost of all labor, materials and incidentals required for the performance of any survey and utility location work shall be included under the pay item for Mobilization. A Florida registered land surveyor shall perform all survey work.

UTILITY COORDINATION

Contractor shall be responsible for coordination of the work with all affected utility owners. Contractor must take into consideration the required utility adjustments and relocations in development of his schedule for completing the work including construction of temporary work to allow phased construction of the permanent facilities.

Contractor shall coordinate and schedule utility relocations and/or adjustments with the utility owners along the project in order to avoid delays. Work includes remobilization if required after utility relocation is complete. The intent is to coordinate utility construction activities so project construction continues and is not stopped or delayed at any time due to utility work being done. Once Notice to Proceed is issued, the Contractor shall contact the affected utilities to discuss the Contractor's anticipated means and methods so temporary and permanent relocation plans can be implemented as needed to meet OSHA safety requirements.

UTILITY CONFLICTS

It is the Contractor's responsibility to avoid conflicts with other utilities. The City will not be responsible for additional costs incurred by the Contractor for incorrect installations, relocations and breaks due to service conflicts.

The contractor's equipment shall maintain a minimum clearance distance to the power line (10 feet for voltage up to 50kv, 15 feet for voltage over 50kv to 200kv, 20 feet for voltage over 200kv to 350kv, 25 feet for voltage over 350kv to 500kv, 35 feet for voltage over 500kv to 750kv, 45 feet for voltage over 750kv to 1,000kv.), following new OSHA Rule (29 CFR Part 1926) and FDOT Roadway Design Bulletin 11-03 DCE Memorandum 02-11.

DAILY CLEAN-UP REQUIREMENTS

Contractor shall clean up the job site at the end of each workday. Clean up will include the elimination of rubble and waste material on public and private property. Driveways shall remain accessible by residents. Each Friday, the Contractor shall prepare the road surface and barricades in an acceptable manner for weekend traffic use.

MAINTENANCE AND RESTORATION OF JOB SITE

Contractor shall conduct his operations in such a manner that results in minimum inconvenience to occupants of adjacent homes and business establishments and shall provide temporary access as directed or as may be required by the City of Hallandale Representative. Bearing assemblies, joints, railings, signage assemblies, lighting, traffic gates, signals structures, and other non-concrete surfaces are to be protected from damage, contamination, and overspray at all times during construction. All final restoration must be performed to an equal or better condition than that which existed prior to construction.

Good housekeeping on this project is extremely important and the Contractor will be responsible for keeping the construction site neat and clean, with debris being removed daily as the work progresses or as otherwise directed by the City of Hallandale Representative. Good housekeeping at the job site shall include: Removing all tools and temporary structures, dirt, rubbish, etc.; hauling all excess dirt, rock, etc., from excavations to a dump provided by the Contractor; and all clean up shall be accomplished to the satisfaction of the Project Manager. Dust will be controlled daily as may be required. Immediately after construction completion in an area or part thereof (including restoration), barricades, construction equipment and surplus and discarded materials shall be removed by the Contractor.

In the event that the timely clean up and restoration of the job site is not accomplished to the satisfaction of the Project Manager, the Project Manager shall make arrangements to affect the necessary clean up by others. Contractor shall be charged for these costs through deductions in payment due the contractor. If such action becomes necessary on the part of and in the opinion of the Project Manager, the City shall not be responsible for the inadvertent removal from the work site of materials which the Contractor would not normally have disposed of had he affected the required clean up.

NOTICE AND SERVICE THEREOF

All notices, which shall include demands, instructions, requests, approvals, and claims shall be in writing. Any notice to or demand upon the Contractor shall be sufficiently given if delivered to the office of the Contractor specified in the bid (or to such other office as the Contractor may, from time to time, designate to the City in writing), or if deposited in the United States mail in a sealed, postage prepaid envelope, or delivered, with charges prepaid, sent via fax transmission, or to any telegraph company for transmission, in each case addressed to such office.

All notices required to be hand delivered to the City, unless otherwise specified in writing to the Contractor, shall be delivered to the Project Manager, and any notice to or demand upon the City shall be sufficiently given as delivered to the office of the City of Hallandale Representative, or if deposited in the United States mail in a sealed, postage prepaid envelope, sent via fax transmission, or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to said City of Hallandale Representative or to such other representative of the City or to such other address as the City's may subsequently specify in writing to the Contractor for such purposes.

Any such notice or demand shall be deemed to have been given or made as of the time of actual delivery or (in the case of mailing) when the same should have been received in due course of post or in the case of a fax transmission or telegram at the time of actual receipt, as the case may be.

REQUIREMENTS FOR CONTROL OF THE WORK

Prior to the start of the Work described in this contract, a pre-construction conference will be held by the Project Manager to be attended by the Contractor and representatives of the various utilities and others as required, for the purpose of establishing a schedule of operations which will coordinate the work to be done under this contract with all related work to be done by others within the limits of the project.

All items of work in this contract shall be coordinated so that progress of each related item will be continuous from week to week. The progress of the work will be reviewed by the City Representative at the end of each week, and if the progress of any item of work during that week is found to be unsatisfactory, the Contractor shall be required to adjust the rate of progress on that item or other items as directed by the Project Manager without additional compensation. Contractor will continuously control the work until completed.

USE OF PRIVATE PROPERTY

All construction activities required to complete this project in accordance with the Contract Documents shall be confined to public right-of-way, easements of record or temporary construction easements, unless the Contractor makes specific arrangements with private property owners for his use of their property. Written authorization from the granting property owner shall be placed on file with the Project Manager prior to utilization of said private properties. The City assumes no responsibility for damage to private property in such instances. The Contractor is responsible for protection of private property abutting all work areas on this project. Adequate equipment storage and material storage shall also be accomplished outside the Owner's right-of-way. The City will coordinate with the Contractor to identify possible storage sites.

CONSTRUCTION PHOTOGRAPHY

General

Contractor shall employ a competent videographer/photographer to take construction record photographs and perform videotaping, including providing all labor, materials, equipment and incidentals necessary to obtain photographs and/or videos of all areas specified in the Contract specifications.

The word "Photograph" includes standard photographic methods involving negatives, prints and slides and it also includes digital photographic methods involving computer technology items such as USB drives.

Qualifications

A competent camera operator who is fully experienced and qualified with the specified equipment shall perform all photography.

For videotape recordings, the audio portion should be done by a person qualified and knowledgeable in the specifics of the Contract, who shall speak with clarify and diction so as to be easily understood.

Project Photos for Construction Progress

Provide photos of the entire work area during construction for the purpose of records of completed work.

All photos shall be submitted to the City of Hallandale Representative electronically.

The Contractor shall pay all costs associated with the required photographs. Any parties requiring additional photography will pay the photographer directly.

Each photo must be marked with the name of the project, the orientation of view, the date and time of exposure, name and address of photographer and the photographers numbered identification of exposure.

All project photographs shall be a single weight, color image 8 inches by 10 inches.

All project photos shall be taken from locations to adequately illustrate conditions prior to construction, or conditions of construction and state of progress. The Contractor shall consult with the City Representative at each period of photography for instructions concerning views required.

The Contractor shall deliver photos in conformance with the above requirements to the City Representative. No construction shall begin until pre-construction photo are completed and submitted to the City Representative.

CONTRACTOR TO EXECUTE NPDES "NOTICE OF INTENT"

Prior to proceeding with construction, Contractor shall prepare and submit a "Notice of Intent to Use Generic Permit for Stormwater Discharge from Construction Activities that Disturb One or More Acres of Land" to the Florida Department of Environmental Protection (FDEP). The Contractor shall monitor the site at all times and take appropriate action to prevent erosion including the use of BMPs. No pumping of ground or surface water shall be performed without approval from the Water Management District. Following completion of construction, Contractor shall prepare and submit a "Notice of Termination of Generic Permit Coverage" to FDEP. Payment for this item shall be included under the pay item for Mobilization.

CONTRACTOR'S SUPERVISION

a. Prosecution of Work: The Contractor shall give the work the constant attention necessary to assure the scheduled progress. He shall cooperate fully with the Project Manager and with other Contractors at work in the vicinity.

b. Contractor's Superintendent: The Contractor shall at all times have on the work site as his agent, a competent superintendent capable of thoroughly interpreting the plans and specifications and thoroughly experienced in the type of work being performed, who shall receive the instructions from the Project Manager or his authorized representatives. The superintendent shall have full authority to execute the orders or directions of the Project Manager and to supply promptly any materials, tools, equipment, labor and incidentals that may be required. Such superintendence shall be furnished regardless of the amount of work sublet.

c. Contractor's superintendent shall speak and understand English, and at least one responsible person who speaks and understands English shall be on the project during all working hours, and wherever work is being done by the contractor.

d. Supervision for Emergencies: The Contractor shall have a responsible person available at or reasonably near the work site on a 24-hour basis, 7 days a week, in order that he may be contacted for emergencies and in cases where immediate action must be taken to maintain traffic or to handle any other problem that may arise. Contractor's responsible person for supervision for emergencies shall speak and understand English. The Contractor shall submit, by certified mail, phone numbers and names of personnel designated to be contacted in cases of emergencies along with a description of the project location to the City of Hallandale Beach police and all other local law enforcement agencies.

LIST OF EMERGENCY CONTACT NUMBERS & UTILITY SERVICE MAINTENANCE

Contractor shall obtain and maintain a list of emergency contact phone numbers for all utilities during the course of the project. The Contractor shall maintain utility service during the project except for interruptions authorized by the utility owner/City. If interruptions are required, the Contractor shall notify the Owner 48 hours in advance.

CONTRACT CONTINGENCY

The discretionary work (Contingency) pay item shall cover the cost for various contingencies and contract amendments authorized by the City. Any amount of extra work and/or alterations to the proposed work charged to the allowance shall be fully documented and authorized by the City Representative/Project Manager before the start of the work. No payment shall be made for work completed without written authorization from the City Representative.

Date:___/___/_____ Submittal No. _____

SHOP DRAWING SUBMITTAL COVER SHEET

(IFB) # [Insert IFB Number]

Project Name: [Insert Full Project Name]

Project File No.: [Insert Project Number]

Specification Title Number: [Insert Section No.] Specification No.: Part *[Insert Part No.], [Insert Item No.]* Page(s): *[Insert Page No.]*

Submittal Description: [Insert Title, Description of Submittal and Use]

SHOP DRAWING REVIEW

RESPONSE NOT REQUIRED	RESPONSE REQUIRED
☐ NO EXCEPTIONS TAKEN ☐ NOTE MARKINGS	☐ NOTE MARKINGS, CONFIRM ☐ NOTE MARKINGS, RESUBMIT ☐ REJECTED, RESUBMIT

Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the project drawings and specifications, nor departure therefrom. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT

By:_____ Date:_____

Your Company Logo and/or information

[Contractor's Name]

[Contractor's Title]

[Company Name]

[Company Address]

[Office Number]

[Fax Number]

[email address]

[Approval Signature:_____

[Approval Date:___/___/_____