



City of Doral
ITB 2025-05
Storm Water Improvements to Sub-Basin D-3-1
Addendum No. 3

April 23, 2025

The original Invitation to Bid (ITB) documents shall remain in full force and effect, except as modified herein, which shall take precedence over any contrary provisions in the prior documents.

This addendum is being issued to provide additional **insurance requirements** (section V.), to provide additional **testing and inspection language** (both attached to this addendum), to **clarify license and minimum requirements**, and to provide **plans for the project** attached as (Exhibit F).

If you should have any questions regarding this addendum, please do not hesitate to contact procurement@cityofdoral.com.

Sincerely,

Christopher Cotton, MPA
Procurement Specialist
City of Doral

MINIMUM INSURANCE REQUIREMENTS

I. Commercial General Liability

| | |
|---|-------------|
| A. Limits of Liability | |
| Bodily Injury & Property Damage Liability | |
| Each Occurrence | \$2,000,000 |
| Policy Aggregate (Per job or project) | \$4,000,000 |
| Personal & Advertising Injury | \$1,000,000 |
| Products & Completed Operations | \$4,000,000 |

B. Endorsements Required

City of Doral listed as an additional insured.
Contingent & Contractual Liability
Premises and Operations Liability
Primary and Non-Contributory
Waiver of Subrogation in favor of City
30 Day Notice of Cancellation

No Exclusions for Explosion, Collapse & Underground Hazard
No Exclusions for the use of Subcontractors

II. Business Automobile Liability

| | |
|---|-------------|
| A. Limits of Liability | |
| Bodily Injury and Property Damage | |
| Combined Single Limit | |
| Any Auto/Owned Autos or Scheduled Autos | |
| Including hired and Non-Owned Autos | |
| Any One Accident | \$1,000,000 |

B. Endorsements Required

City of Doral listed as an additional insured
Primary and Non-Contributory
Waiver of Subrogation in favor of City
30 Day Notice of Cancellation

III. Workers Compensation

Statutory- State of Florida

Employer's Liability

| | |
|---|--|
| A. Limits of Liability | |
| \$1,000,000 for bodily injury caused by an accident, each accident. | |
| \$1,000,000 for bodily injury caused by disease, each employee. | |

\$1,000,000 for bodily injury caused by disease, policy limit.
Workers Compensation insurance must be provided for all persons fulfilling this contract, whether employed, contracted, temporary or subcontracted.

B. Endorsements Required

Waiver of Subrogation in favor of City
30 Day Notice of Cancellation

V. Umbrella/Excess Liability (Excess Follow Form) can be utilized to provide the required limits. Coverage shall be “following form” and shall not be more restrictive than the underlying insurance policy coverages, including all special endorsements and City as Additional Insured status.

Subcontractors’ Compliance: It is the responsibility of the Contractor to ensure that all Subcontractors comply with all insurance requirements.

All above coverage must remain in force and Certificate of Insurance on file with City without interruption for the duration of this agreement. Policies shall provide the City of Doral with 30 days’ written notice of cancellation or material change from the insurer. If the policies do not contain such a provision, it is the responsibility of the Contractor to provide such notice within 10 days of the change or cancellation.

Certificate Holder: City of Doral, Florida
8401 NW 53rd Terrace
Doral, FL 33166

Certificates/Evidence of Property Insurance forms must confirm insurance provisions required herein. Certificates shall include Agreement, Bid/Contract number, dates, and other identifying references.

Insurance Companies must be authorized to do business in the State of Florida and must be rated no less than “A-” as to management, and no less than “Class V” as to financial strength, by the latest edition of AM Best’s Insurance Guide, or its equivalent.

Coverage and Certificates of Insurance are subject to review and verification by City of Doral Risk Management. City reserves the right but not the obligation to reject any insurer providing coverage due to poor or deteriorating financial condition. The City reserves the right to amend insurance requirements in order to sufficiently address the scope of services. These insurance requirements shall not limit the liability of the Contractor/Vendor. The City does not represent these types or amounts of insurance to be sufficient or adequate to protect the Contractor/Vendor’s interests or liabilities but are merely minimums.

INSPECTION AND TESTING – ADDITIONAL REQUIREMENTS

The City applies the guidelines of testing and inspections established by **Sections 425 and 430 of FDOT's Standard Specification for Road and Bridge Construction FY 2023-24**. Excerpts of sub-sections of **FDOT's Sections 425 and 430** are described below for quick reference and emphasis purposes only and, therefore, does not alleviate bidders from the Section's full description and administration as detailed within **Sub-Sections 425-1 thru 425-9.3 and 430-1 thru 420-12.12**.

FDOT SECTION 425 – Inlets, Manholes, and Junction Boxes

425-1 Description.

Construct inlets, manholes, and junction boxes from reinforced concrete as shown in the Standard Plans and the Plans. Furnish and install the necessary metal frames and gratings. Construct yard drains from concrete meeting the requirements of Section 347. Adjust structures shown in the Plans to be adjusted or requiring adjustment for the satisfactory completion of the work.

For precast structures, meet the requirements in 449-1.

425-2 Composition and Proportioning.

425-2.1 Concrete: For inlets, manholes, and junction boxes, use Class II or IV concrete, as designated in the Plans and Standard Plans and as specified in Section 346. For concrete aprons and yard drains, use concrete as specified in Section 347.

425-2.2 Mortar: For brick masonry, make the mortar by mixing one-part cement to three parts sand. Miami Oolitic rock screenings may be substituted for the sand, provided the screenings meet the requirements of 902 except for gradation requirements. Use materials passing the No. 8 sieve that are well graded from coarse to fine. Submit documentation, from a Department approved mine or a Department approved concrete plant, confirming the sand or sand substitute meets the requirements of 902-3.2. Preblended masonry cement mortar may be used in lieu of the above-specified mortar. Deliver the product in original and unopened packages properly identified by brand name of manufacturer, net weight of package, and type. Store the material in full compliance with the manufacturer's recommendations. Material must be used within manufacturer's recommended shelf life.

425-3.3 Skimmer: Include 1.5% by weight of carbon black with plastic skimmers on French drain systems.

425-7.5 Laying Brick: Brick masonry may be used if the structure is circular and constructed in place, or for adjustments of rectangular risers up to a maximum 12 inches in height. Saturate all brick with water before laying. Bond the brick thoroughly into the mortar using the shove-joint method to lay the brick. Arrange headers and stretchers so as to bond the mass thoroughly. Finish the joints properly as the work progresses and ensure that they are not less than 1/4 inch or more than 3/4 inch in thickness. Do not use spalls or bats except for shaping around irregular openings or when unavoidable at corners.

425-7.6 Backfilling: Backfill as specified in Section 125, meeting the specific requirements for backfilling and compaction around inlets, manholes, and junction boxes detailed in 125-8.1 and 125-8.2. However; for outfall lines beyond the sidewalk or future sidewalk area, where no vehicular traffic will pass over the pipe, inlets, manholes, and junction boxes, compact backfill as required in 125-9.2.2.

425-7.7 Adjusting Structures: Adjust existing manholes, catch basins, inlets, valve boxes, etc., within the limits of the proposed work, to meet the finished grade of the proposed pavement, or if outside of

the proposed pavement area, to the finished grade designated in the Plans for such structures. Adjust structures prior to placement of final asphalt pavement surface layer. Adjust structures to match final pavement surface cross-slope. Use materials and construction methods which meet the requirements specified above to adjust the existing structures.

The Contractor may extend manholes needing to be raised using adjustable extension rings of the type which do not require the removal of the existing manhole frame. Use an extension device that provides positive locking action and permits adjustment in height as well as diameter and meets the approval of the Engineer. When adjusting structures in flexible pavement, restore final road surface in accordance with Standard Plans, Index 125-001.

425-8 Method of Measurement.

The quantities to be paid for will be the number of inlets, manholes, junction boxes, and yard drains, completed and accepted; and the number of structures of these types (including also valve boxes) satisfactorily adjusted. Performance Turf will be paid in accordance with Section 570.

425-9 Basis of Payment.

425-9.1 New Structures: Price and payment will be full compensation for furnishing all materials and completing all work described herein or shown in the Plans, including all clearing and grubbing outside the limits of clearing and grubbing as shown in the Plans, all excavation except the volume included in the measurement designated to be paid for under the items for the grading work on the project, all backfilling around the structures, the disposal of surplus material, and the furnishing and placing of all aprons, gratings, frames, covers, and any other necessary fittings.

425-9.2 Adjusted Structures: When an item of payment for adjusting manholes, valve boxes, or inlets is provided in the proposal, price and payment will be full compensation for the number of such structures designated to be paid for under such separate items, and which are satisfactorily adjusted, at the Contract unit prices each for adjusting inlets, adjusting manholes, and adjusting valve boxes.

For any of such types of these structures required to be adjusted but for which no separate item of payment is shown in the proposal for the specific type, payment will be made under the item of adjusting miscellaneous structures.

FDOT SECTION 430 - Pipe Culvert

430-3.1 General: Prior to the preconstruction conference, submit to the Engineer which optional pipe material from the optional materials tabulation sheet will be used. Once a pipe material is selected, do not change pipe materials without approval of the Engineer. When the Plans designate a type (or types) of pipe, use only the type (or choose from the types) designated. As an exception, when the Plans designate reinforced concrete pipe as Class S, Class I, Class II, Class III and Class IV, the Contractor may use non-reinforced concrete pipe up to and including 36 inch in diameter.

430-4.1 General: Lay all pipe, true to the lines and grades given, with bells upgrade and spigot end fully entered into the bell. When pipe with quadrant reinforcement or circular pipe with elliptical reinforcement is used, install the pipe in a position such that the manufacturer's marks designating "top" and "bottom" of the pipe are not more than five degrees from the vertical plane through the longitudinal axis of the pipe. **Do not allow departure from and return to plan alignment and grade to exceed 1/16 inch per foot of nominal pipe length, with a total of not more than 1 inch departure from theoretical line and grade.** Take up and relay any pipe that is not in true alignment, or which shows any settlement after laying at no additional expense to the Department.

Do not use concrete pipe with lift holes except round pipe which has an inside diameter in excess of 54 inches or any elliptical pipe.

Repair lift holes, if present, with hand-placed, stiff, non-shrink, 1-to-1 mortar of cement and fine sand, after first washing out the hole with water. Completely fill the void created by the lift hole with mortar. Cover the repaired area with a 24 inch by 24 inch piece of filter fabric secured to the pipe. Follow the manufacturer's instructions, to secure the filter fabric to the pipe, until the backfill is placed and compacted. Do not cut or drill into or through the corrugations or ribs of plastic pipe except when necessary to meet the dimensional requirements shown in the Plans.

When installing pipes in structures, construct inlet and outlet pipes of the same size and kind as the connecting pipe shown in the Plans. Use the same pipe material within each continuous run of pipe. **Extend the pipes through the walls for a distance beyond the outside surface sufficient for the intended connections and construct the concrete around them neatly to prevent leakage along their outer surface as shown on Standard Plans, Index 425-001. Keep the inlet and outlet pipes flush with the inside of the wall.** Resilient connectors as specified in 942-3 may be used in lieu of a masonry seal.

Furnish and install a filter fabric jacket around all pipe joints and the joint between the pipe and the structure in accordance with Standard Plans, Indexes 425-001 and 430- 001. Use fabric meeting the physical requirements of Type D-3 specified in Section 985. Extend the fabric a minimum of 12 inches beyond each side of the joint or both edges of the coupling band, if a coupling band is used. The fabric must have a minimum width of 24 inches, and a length sufficient to provide a minimum overlap of 24 inches. Secure the filter fabric jacket against the outside of the pipe by metal or plastic strapping or by other methods approved by the Engineer.

430-4.8 Pipe Inspection: For pipes installed under the roadway, inspection is to be conducted when backfill reaches 3 feet above the pipe crown or upon completion of placement of the stabilized subgrade. For pipe installed within fills, including embankments confined by walls, inspection is to be conducted when compacted embankment reaches 3 feet above the pipe crown or the finished earthwork grade as specified in the Plans. Prior to conducting the inspection, submit to the Engineer a video recording schedule for videoing, dewater installed pipe, and remove all silt, debris, and obstructions. Submit pipe videoing and reports to the Department for review prior to the continuation of paving.

For pipe 48 inches or less in diameter, submit to the Engineer the video files and reports using low barrel distortion video equipment with laser profile technology, non-contact video micrometer and associated software. For all pipe types, provide a Pipe Observation Summary Report for each pipe run that includes:

- 1-Actual recorded length and width measurements of all cracks within the pipe.
- 2-Actual recorded separation measurement of all rigid pipe joints.
- 3-Detailed written observations of leaks, debris, or other damage or defects.

For flexible pipe types, submit a Pipe Ovality Report for each pipe run that includes:

- Representative diameter of the pipe.
- Pipe deformation/deflections measurements with the 5% deflection limit clearly delineated.

Laser profiling and measurement technology must be certified by the company performing the work to be in compliance with the calibration criteria posted at: <https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/construction/engineers/environmental/laser-profiling-calibration-criteria.pdf>.

Reports submitted in electronic media are preferred. The Engineer may waive this requirement for side drains and cross drains which are short enough to inspect from each end of the pipe.

430-4.8.1 Video Report: Provide video files via digital media (DVD, flash drive, or other) or by online digital distribution with a minimum standard resolution of 720 x 480. Use a camera with lighting suitable to allow a clear picture of the entire periphery of the pipe. Center the camera in the pipe both vertically and horizontally and be able to pan and tilt to a 90-degree angle with the axis of the pipe and rotating 360 degrees. Use equipment to move the camera through the pipe that will not obstruct the camera's view or interfere with proper documentation of the pipe's condition.

The video image shall be clear, focused, and relatively free from roll, static, or other image distortion qualities that would prevent the reviewer from evaluating the condition of the pipe. The video will include identification before each section of pipe filmed. The identification will include the project number, the structure number corresponding to the structure number in the Plans for the project, size of pipe, the date and time, and indicate which pipe is being filmed if multiple pipes are connected to the structure. Notes should be taken during the video recording process. Submit these notes along with the video.

Move the camera through the pipe at a speed not greater than 30 feet per minute. Mark the video with the distance down the pipe. The distance shall have an accuracy of one foot per 100 feet. Film the entire circumference at each joint. Stop the camera and pan when necessary to document and measure defects. Position the camera head perpendicular to all defects requiring measurement by the video micrometer.

430-4.8.2 Reinspection: At any time after reviewing the submitted pipe inspection reports, the Engineer may direct additional inspections. If no defects are observed during the reinspection, the Department will pay for the cost of the reinspection in accordance with 4-3. If defects are observed, the reinspection and all work performed to correct the defects will be done at no cost to the Department. Acceptance of all replacements or repairs will be based on video documentation of the completed work prior to Final Acceptance.

430-9 Specific Requirements for Steel Reinforced Polyethylene Ribbed Pipe, Corrugated High-Density Polyethylene Pipe, Polypropylene Pipe, and Polyvinyl Chloride (PVC) Pipe.

430-9.1 Sampling Requirements: Submit a sample of each pipe material and diameter used on each project to the Engineer a minimum of two weeks prior to the installation, provided that the pipe meets all of the following:

- Pipe material is PVC, HDPE, steel reinforced polyethylene, or polypropylene.
- Pipe is corrugated or ribbed.
- Pipe diameter is 12" or larger.
- Project quantity for a pipe diameter is more than 100 linear feet, unless intended for use as cross drain.
- Pipe is not perforated, unless the material is PVC or polypropylene.
- Pipe is intended for applications requiring 100-year design service life as defined in the Florida Department of Transportation Drainage Manual.

The length of each sample pipe section must comprise at least seven regular corrugations (not including the first three corrugations of the pipe on the bell or spigot ends).

430-9.3 Installation Requirements Including Trenching, Foundation and Backfilling Operations:

Check structure shape regularly during backfilling to verify acceptability of the construction method used.

Replace pipe deflected 5% or more of the certified actual mean diameter of the pipe at final inspection at no cost to the Department.

430-10 Desilting Pipe or Concrete Box Culvert.

Desilt pipe culvert and concrete box culvert as designated in the Plans.

430-11 Method of Measurement.

430-11.1 New Pipe Installed by Excavation or Trenching: The quantity of storm and cross drainpipe, storm drain trench, side drain and gutter drainpipe, installed by pipe culvert optional material - excavation or trenching, to be paid for will be plan quantity, in place and accepted. The plan quantity will be determined from the inside wall of the structure and from station/offset location for end treatments as shown in the Plans, along the centerline of the pipe. Adjustment to bid quantities, prices and payment will not be allowed for increases, decreases, or changes in material or installation requirements due to the use of any optional pipe materials. If adjustments are required due to Plan errors or omissions or authorized field changes, the plotted material and not the material elected would be used to establish new pay quantities. Pipe sizes other than round (elliptical/arch) are summarized and paid for using equivalent round pipe diameter.

430-12 Basis of Payment.

430-12.1 General: Prices and payments will be full compensation for all work specified in this Section, including all excavation except the volume included in the items for the grading work on the project, and except for other items specified for separate payment in Section 125; all backfilling material and compaction; disposal of surplus material; and all clearing and grubbing outside of the required limits of clearing and grubbing as shown in the Plans.

- No separate payment will be made for bituminous coating, concrete collars, or concrete jackets.
- No payment will be made for failed bore paths, injection of excavatable flowable fill, products taken out of service, or incomplete installations. Payment will include all work and materials necessary for a complete and accepted installation.
- No payment will be made for jack & bore until a Bore Path Report has been submitted to the Engineer.

430-12.2 Removing Existing Pipe: When existing pipe is removed and replaced with new pipe approximately at the same location, the cost of excavating and removing the old pipe and of its disposal will be included in the Contract unit price for clearing and grubbing.

430-12.3 Site Restoration: The cost of restoring the site, as specified in 125-11, that is disturbed, solely

for the purpose of constructing pipe culvert, will be included in the Contract unit price for the pipe culvert, unless designated specifically to be paid for under other items.

430-12.4 Plugging Pipes: The cost of temporarily plugging a pipe culvert, either proposed or existing, will be incidental to the contract unit price for new pipe culvert.

- The cost of filling and/or plugging an existing pipe culvert that is to be permanently placed out of service will be paid for at the contract unit price for filling and plugging pipe, per cubic yard. Price and payment will be full compensation for flowable fill, masonry, concrete, mortar, and all labor and materials necessary to complete the work.
- When the project includes no quantities for new pipe culverts, and temporary plugs are required for existing pipe culverts, the cost will be considered as extra work, in accordance with 4-3.5.

430-12.5 Desilting Pipe: Desilting pipe will be paid for at the contract unit price per foot for each pipe desilted. Price and payment will be full compensation for furnishing all equipment, tools and labor, disposal of silt and debris, and all incidentals necessary for satisfactorily performing the work.

430-12.6 Desilting Concrete Box Culverts: Price and payment will be full compensation for all work required.

TESTING EQUIPMENT

- A. Conform to applicable sections of ASTM.
- B. Conform to other applicable industry standards and codes.

CLEANING AND VISUAL INSPECTION

CLEANING

A. Clean all manholes, pipes, and structures by removing sheeting, bracing, forms, soil sediment, concrete waste, and other debris.

B. Do not discharge soil sediment or debris to drainage channels or existing storm sewer. Dispose of properly in a waste containment site that is acceptable to the City.

VISUAL INSPECTION

A. Examine structures and pipes for:

1. Damage.
2. Indication of displacement of reinforcement, forms, pipes, or bedding.
3. Porous areas or voids.
4. Proper placement of seals, gaskets, and embedment.
5. Visible infiltration.

B. Verify that structures and pipes are set to true line, grade, and plumb.

C. Verify structure and pipe dimensions and thickness.

D. Measure actual inside dimensions of all flexible pipe prior to installation. Use these dimensions when sizing the mandrel should deflection testing be required.

E. Storm sewer solid pipe segments shall be visually inspected by flashing a light between structures or by physical passage where space permits.

1. Lamping shall be done after pipe trench backfill is compacted and brought to grade or pavement subgrade.
2. Full pipe diameter (“full moon”) shall be visible for grade alignment.

F. Storm sewer structures shall be plugged in each direction and cleaned thoroughly to the bottom of sump area.

- There will be no sediment or debris permitted and all pipe inlets connections will be watertight.
- The tops of structures will be thoroughly sealed inside and out with no brick exposure.
- Manhole rim and covers will be thoroughly sealed inside and out with no brick exposure.

UNCOVERING THE WORK

If any Construction that is to be inspected, tested or approved is covered without written concurrence of CITY’S REPRESENTATIVE, it must, if requested by CITY or the CITY’S REPRESENTATIVE, be uncovered for observation. Such uncovering shall be at CONTRACTOR’S expense and will exclude the right to an increase in the Contract Price or Contract Time unless CONTRACTOR has given CITY or the CITY’S REPRESENTATIVE timely written notice of CONTRACTOR’S intention to cover such Construction and CITY or the CITY’S REPRESENTATIVE has not acted with reasonable promptness in response to such notice.

If CITY considers it necessary or advisable that covered Work be observed by CITY’S REPRESENTATIVE or the ARCHITECT or ENGINEER, or inspected or tested by others, CONTRACTOR, at CITY’S request, shall uncover, expose or otherwise make available for observation, inspection or testing as CITY may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is defective, CONTRACTOR shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services and any additional expenses experienced by the CITY due to delays to others performing additional work, other contractual obligations, and CITY shall be entitled to issue an appropriate deductive Change Order. CONTRACTOR shall further bear the responsibility for maintaining the schedule and will not be allowed an increase in Contract Price or Contract Time due to the uncovering. If, however, such Construction is not found to be defective, and Section 00700.8.5 is not applicable, CONTRACTOR shall be allowed an increase in the Contract Price or the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction if it makes a claim therefore as provided in the Contract Documents.

LICENSE REQUIREMENTS: At the time of Bid and pursuant to these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active:

- Certificate of Competency from the Miami Dade County's Construction Trades Qualifying Board as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include Pipeline Engineering Contractor, **or** Paving Engineering Contractor. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty work of other than that of the Engineering Specialty for which certified; **or**
- Certification, as an Underground Utility and Excavation Contractor, provided by the State of Florida Construction Industry Licensing Board, pursuant to the provisions of Section 489.115 of the Florida Statutes

EXPERIENCE: The Bidder must demonstrate that it has full-time personnel with the necessary experience to perform the Project's Scope of Work. This experience shall include work in successfully completed projects performed by the identified personnel whose bulk of work performed in the Public Right-of-Way is similar in detail to the Project's Scope of Work described in these Solicitation Documents. Demonstrate the experience requirement by:

- Providing a detailed description of at least three (3) projects similar in detail to the Project's Scope of Work described in these Solicitation Documents and in which the Bidder's identified personnel is currently engaged or has completed within the past five years. List and describe the aforementioned projects and state whether the work was performed for specific government clients, or private entities.
- The description must identify for each project:
 - 1) The identified personnel and their assigned role and responsibilities for the listed project.
 - 2) The client's name and address including a contact person and phone number for reference.
 - 3) Description of work.
 - 4) Total dollar value of the contract
 - 5) Contract duration
 - 6) Statement or notation of whether Bidder's referenced personnel is/was employed by the prime contractor or subcontractor, and
 - 7) For completed projects, provide letters of certification of final acceptance or similar project closure documentation issued by the client and available Contractor's performance evaluations.
 - The City reserves the right to request additional information and/or contact listed persons pertaining to bidder's experience.