

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (DTPW)

ADDENDUM No. 2
August 15, 2025

PROJECT: Replacement Bridge No. 874178 along NE 10 Avenue Over Canal A
Project No. 20240256

BID DUE DATE: August 20, 2025; 02:00 P.M.

FROM: Miami-Dade County DTPW
Capital Improvements Division
111 NW First Street, 14th Floor
Miami, FL 33128
305.375.2930

TO: Prospective Bidders and Interested Parties

This Addendum forms part of the project solicitation documents and will be incorporated into the Contract Documents, as applicable. Insofar as the Original Contract Documents, Drawings and Specifications are inconsistent, this Addendum shall govern. Please acknowledge receipt of this Addendum, at the time of bid submittal to Miami-Dade County, in the space provided on the "Acknowledgement of Addenda Form" provided with the project solicitation documents. Failure to acknowledge receipt of all addenda may be cause for disqualification.

CHANGES TO BID FORM:

1. Delete Bid Form dated 5/21/2025 under Section 2 of the Solicitation Documents, in its Entirely and replace it with attached Revised Bid Form for Addendum No. 2, dated 8/13/2025. Changes are as follows:
 - a. Pay Item 443-70-4 "EXFILTRATION DRAIN (24" DIAMETER) (BITUMINOUS COATED CORRUGATED STEEL PIPE CULVERT) (2 2/3" X 1/2", 16 GAUGE) (Includes the cost of perforated pipe, ballast rock, excavation and backfilling with select fill material)", LF, Quantity 248 has been deleted.
 - b. Pay Item 443-70-4-3 "French Drain (24" Diameter Perforated Pipe, Trench Depth 15 ft, BLS), LF Quantity 248 has been added including the following note:
"For pipe material, refer to the Optional Materials Table on the plans. If a pipe material is not shown on the plans, refer to Section 443-2 of the FOOT Standard Specifications for Road and Bridge Construction."
 - c. Pay Item 530-1 (Rip Rap (Sand Cement), CY, Quantity 66 has been added.

CHANGES TO THE SOLICITATION AND CONTRACT DOCUMENTS:

1. Add attached Appendix "G" to the Special Provisions, "FDOT Specification 443 French Drains."
2. Add attached Appendix "H" to the Special Provisions, "FDOT Specification 110-6 Removal of Existing Bridges."

CHANGES TO THE PLANS:

1. Delete plans dated 2/4/2025 of the Solicitation Documents, in its entirety and replace with "Revised Plans for Addendum No.2".

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (DTPW)

ADDENDUM No. 2
August 15, 2025

END OF ADDENDUM NO. 2



Tiondra Wright,
Chief Capital Improvements Division
Department of Transportation and Public Works (DTPW)
AM:lh

c: Laura Hernandez, DTPW
Jacqueline Alcine, P.E. DTPW
Caesar Suarez, SBD

Katherine Fernandez, DTPW
Laurie Johnson, SBD
Clerk of the Board

Ryan Fisher, P.E. DTPW
Project File

Bid Form

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IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN ONE THOUSAND NINETY (1090) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE *NOTICE TO PROCEED WITH CONTRACT WORK*.

Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
101-1-A	1.0	L.S.	Mobilization			
102-1A	1.0	L.S.	MAINTENANCE OF TRAFFIC			
102-74-1	5,138.0	EA/DAY	BARRICADES (TEMPORARY- TYPE I, II, VP & DRUM).			
102-74-2	2,702.0	EA/DAY	BARRICADES (Temporary, Type III, 6')			
102-91	64.0	L.F.	PAVEMENT MARKING TEMPORARY (Skip) (Any width) (Yellow or White) (Tape or Paint) (10' stripe, 30' space)			
102-91-1	2,370.0	L.F.	PAVEMENT MARKING TEMPORARY (Solid) (Any width) (Yellow or White) (Tape or Paint)			
102-60A	30,044.0	EA/DAY	WORK ZONE SIGNS			
102-99A	868.0	ED	Portable Changeable Message Sign (Temporary)			
104-10-3	803.0	L.F.	Sediment Barrier			
104-18	4.0	EA.	Inlet Protection System			
104-11A	55.0	L.F.	FLOATING TURBIDITY BARRIER			
108-1	1.0	L.S.	Protection of Existing Structures –Inspection and Settlement Monitoring			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
108-2	1.0	L.S.	Protection of Existing Structures –Vibration Monitoring			
110-1-1B	1.0	L.S.	CLEARING AND GRUBBING			
110-3	1.0	L.S.	REMOVAL OF EXISTING STRUCTURE			
110-4-0-CO	661.0	L.F.	Removal and disposal of existing Curb & Gutter			
110-22A	4.0	EA	Tree Root and Branch Pruning			
120-1	411.3	C.Y.	REGULAR EXCAVATION			
120-4	124.4	C.Y.	SUBSOIL EXCAVATION (This item is contingent upon the actual field conditions and may be increased, decreased or eliminated by the Engineer)			
120-5	794.9	C.Y.	CHANNEL EXCAVATION			
120-6	118.4	C.Y.	EMBANKMENT (This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)			
160-4	845.0	S.Y.	TYPE "B" STABILIZATION (12" Thick) (Min. C.B.R. 30)			
285-702	36.0	S.Y.	BASE OPTIONAL (Base Group 02)			
285-706	745.0	S.Y.	OPTIONAL BASE, BASE GROUP 06			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
327-70-4A	1,044.0	S.Y.	MILLING EXISTING ASPHALT PAVEMENT (3" Average depth)			
334-1-52	197.3	TON	SUPERPAVE ASPHALT CONCRETE (TRAFFIC B, PG 76-22)			
337-7-82	107.9	TON	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22			
400-2-10	72.4	C.Y.	CLASS II CONCRETE(APPROACH SLABS)			
400-4-5	63.9	C.Y.	CONCRETE CLASS IV (SUBSTRUCTURE)			
400-4-11	67.2	C.Y.	CONCRETE CLASS IV (Retaining walls)			
400-4-47	65.4	C.Y.	Concrete Class IV, Cast in Place Topping with Shrinkage Reducing Admixture			
400-7-1	136.0	S.Y.	Bridge Deck Grooving			
400-148	4.6	CF	Plain Neoprene Bearing Pads			
415-1-3	5,784.0	LB	REINFORCEING STEEL (Retaining Wall)			
415-1-4	9,711.0	LB	REINFORCING STEEL (Superstructure)			
415-1-9	13,130.0	LB	REINFORCING STEEL(APPROACH SLABS)			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
415-2-4	3,282.0	LB	Stainless Reinforcing Steel, Superstructure			
415-2-5	6,565.0	LB	Stainless Reinforcing Steel, Substructure			
425-1-351	4.0	EA.	INLET CURB (TYPE P-5)< 10 '			
425-1-352 OPT	2.0	EA.	INLET (CURB) (TYPE P-5) >10'			
425-1-521A	1.0	EA	INLETS, DT BOT, TYPE C,<10'			
425-5	3.0	EA.	ADJUST MANHOLE (This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)			
425-5-1	2.0	EA.	ADJUST MANHOLE (Utilities) (Miami-Dade Water & Sewer Only)			
425-6	9.0	EA.	ADJUST EXISTING VALVE BOXES (MIAMI-DADE COUNTY ONLY) (This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)			
430-94-1-1	350.0	L.F.	DESILT PIPE (0 TO 48")			
430-175-115	31.0	L.F.	PIPE CULVERT OPTIONAL MATERIAL, Round Shape, 15"			
430-175-118	22.0	L.F.	PIPE CULVERT OPTIONAL MATERIAL, Round Shape, 18"			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
443-70-4-3	248.0	L.F.	French Drain (24" diameter perforated pipe; trench depth 15 ft. BLS)			
For pipe material, refer to the Optional Materials Table on the plans. If a pipe material is not shown on the plans, refer to Section 443-2 of the FDOT Standard Specifications for Road and Bridge Construction.						
450-8-24	350.0	L.F.	Prestressed Beam: Florida Slab Beam, Beam Depth 15" Carbon Steel, Width 58-60"			
455-113-24	693.0	L.F.	Auger Cast Pile for Bidges, 24" Diameter			
458-1-11	389.0	L.F.	BRIDGE DECK EXPANSION JOINT (New Construction- F&I) (Poured Joint with Backer Rod)			
460-5-1830	1.0	EA.	MANATEE GATE- (Pipe diameter 18" to 30", or equivalent)			
515-2-311	146.3	L.F.	PEDESTRIAN/ BICYCLE RAILING, Aluminum Only, 42" Type 1			
515-4-1	336.0	L.F.	BULLET RAIL, SINGLE RAIL			
520-1-10B	787.0	L.F.	CONCRETE CURB AND GUTTER (Type F)			
521-5-4	336.0	L.F.	Concrete Traffic Railing Barrier - Bridge (32" Vertical Face)			
521-72-100	40.0	L.F.	SHOULDER CONCRETE BARRIER WALL, Special Design			
522-1	405.0	S.Y.	CONCRETE SIDEWALK (4" Thick restoration and new, Class I Concrete, 3000 P.S.I) (including pedestrian ramps and sidewalk curbs)			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
522-2	138.0	S.Y.	CONCRETE SIDEWALK (6" Thick, 3000 P.S.I. concrete at 28 days) (including pedestrian ramps and sidewalk curbs)			
526-1-2C	18.0	S.Y.	CONCRETE PAVERS (Sidewalks)			
527-2	112.0	S.F.	DETECTABLE WARNING ON WALKING SURFACE			
530-1	66.0	C.Y.	RIP RAP (SAND CEMENT)			
530-3-3	1,352.9	TON	RIPRAP- RUBBLE, Bank & Shore			
530-74A	481.7	TON	BEDDING STONE			
536-73B	69.0	L.F.	GUARDRAIL REMOVAL			
575-1-1	963.0	S.Y.	SODDING (Pensacola Bahia or match existing) (includes watering)			
580-3	120.0	L.F.	Tree protection barricades			
700-1-60	17.0	AS.	SINGLE POST SIGN, REMOVE			
700-1-11B	1.0	AS.	SINGLE POST SIGN, F&I Ground Mount, Up to 12 SF			
700-1-12C	4.0	AS.	SINGLE POST SIGN, Furnish & Install Ground Mount, 12-20 SF			

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Bidder must fill-in completely the next page for the bid to be valid.

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Bid Form

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
705-10-3	4.0	EA.	OBJECT MARKER (Type 3)			
706-1-12	55.0	EA.	REFLECTIVE PAVEMENT MARKERS (class B, mono or bi-directional, all colors)			
710-11-121	1,085.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 6")			
710-11-123	314.0	L.F.	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"			
710-11-124	34.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 18")			
710-11-125	44.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 24")			
710-11-221	952.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, Yellow, solid, 6")			
710-11-224	10.0	L.F.	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 18"			
710-11-241	64.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard) (Yellow) (Skip) (6")			
711-11-121	1,085.0	L.F.	THERMOPLASTIC (White) (Solid) (6")			
711-11-123	314.0	L.F.	THERMOPLASTIC (White) (Solid) (12")			
711-11-124	34.0	L.F.	THERMOPLASTIC (White) (Solid) (18")			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
711-11-125	44.0	L.F.	THERMOPLASTIC (White) (Solid) (24")			
711-11-221	952.0	L.F.	THERMOPLASTIC (Yellow) (Solid) (6")			
711-11-224	10.0	L.F.	THERMOPLASTIC (Yellow) (Solid) (18")			
711-11-241	64.0	L.F.	THERMOPLASTIC (Yellow) (Skip) (6")			
713-103-101A	90.0	L.F.	PERMANENT TAPE, White, Solid, 6" for Concrete Briges			
713-103-201A	90.0	L.F.	PERMANENT TAPE, Yellow, Solid, 6" for Concrete Bridges			

Total: _____

The bidder understands and agrees that the above total is inclusive of all work necessary to complete the job as described in the plans and specifications.

Quantities are established and are included only for the purpose of facilitating the uniform comparison of bids submitted. The County shall not be held responsible if the quantities are not accurate and all computations for compensation shall be based upon the actual work performed, whether greater or less than estimated quantities.

Tax Identification Number: _____

D.C. Certificate of competency No: _____

Bidder's Name: _____

Bidder's telephone Number: _____

Bidder's address: _____

Bid Form

PROJECT TITLE: Replacement Bridge No. 874178 along NE 10 Avenue Over Canal A

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BIDDER ACKNOWLEDGES THAT INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL AND IN THE TOTAL BID PRICE ARE COSTS FOR COMPLYING WITH THE FLORIDA TRENCH SAFETY ACT (90-96), LAWS OF FLA. EFFECTIVE OCTOBER 1st, 1990. THE BIDDER FURTHER IDENTIFIES THE COSTS TO BE SUMMARIZED BELOW:

	Trench Safety Measure (Description)	Units of Measure (LF, SY)	Unit (Quantity)	Unit Cost	Extended Cost
A.					
B.					
C.					
D.					

FAILURE TO COMPLETE THE ABOVE MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE

SPECIAL PROVISIONS

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APPENDIX "A" TO SPECIAL PROVISIONS
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APPENDIX "G" TO SPECIAL PROVISIONS
FDOT Specification 443 French Drains

APPENDIX "H" TO SPECIAL PROVISIONS
FDOT Specification 110-6 Removal of Existing
Bridges

1. GENERAL REQUIREMENTS

1.01 STANDARD CONSTRUCTION GENERAL CONTRACT CONDITIONS

- A. Division 01 (General Requirements) of the DTPW Specifications amends the Standard Construction General Contract Conditions, and other provisions of the Contract Documents. All requirements of the Standard Construction General Contract Conditions, or portions thereof, which are not specifically modified, deleted, or superseded by Division 01, remain in full effect. In the event a conflict between these two complementary portions of the Contract Documents occurs, Division 1 will prevail and Engineer will provide a clarification and final determination. These Special Provisions also amend, complement, modify or delete items from the DTPW Construction Specifications of these Solicitation and Contract Documents.

1.02 SCOPE OF WORK

- A. Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required for the replacement of NE 10th Avenue Bridge No. 874178 Over Ademar Canal between NE 83rd Street and NE 84th Street. Detail scope of Work includes but is not limited to:
 - 1. Demolishing and constructing a new bridge along NE 10th Avenue spanning across the Ademar canal between NE 83rd and NE 84th Street to accommodate pedestrian and vehicular traffic.
 - 2. Dredge and provide rubble riprap for the Ademar Canal for the limits shown on the plans.
 - 3. Reconstructing the roadway approaches on the north and the south side of the bridge and transition and tie into the existing roadway typical section per plans.
 - 4. Removal of the roundabout at NE 83rd Street and NE 10th Avenue.
 - 5. Reconstructing the drainage system between NE 83rd and NE 84th Streets.
 - 6. Upgrading Signing & Pavement Markings and Lighting between NE 83rd and NE 84th Streets.
 - 7. Constructing a new sidewalk connecting pedestrian traffic between NE 83rd Street and NE 84th Street.
 - 8. The Contractor and all subcontractors, under this Contract, are prohibited from performing any work, other than specified in the Contract and/or directed by the Engineer, within the limits of the project site, without prior written notification to the Engineer. This includes any work for private or commercial entities.

1.03 LOCATION OF WORK

- A. The location of work to be performed under the terms of this Contract shall be as follows:
 - 1. Along NE 10 Avenue over Canal A.

- B. The exact location and limits of construction are as shown on the Plans accompanying these Contract Documents.

1.04 PLANS

- A. Engineering Drawings titled "Plans for Proposed Bridge Replacement NE 10th Avenue Bridge 874178 Replacement Over the Edemar Canal (Bridge No. 874185) from NE 83rd Street to NE 84th Street" are included with these Contract Documents. Additional standard details are available in the Miami-Dade County Public Works Manual and the latest edition of the Florida Department of Transportation's Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System.
- B. The County through its Engineer shall have the right to modify the details and/or sketches, to supplement the sketches with additional plans and/or with additional information as work proceeds; all of which shall be considered as plans accompanying these Specifications herein generally referred to as the "Plans." In case of disagreement between the Plans and Specifications, the Engineer shall make a final determination as to which shall govern.

1.05 TIME FOR COMPLETION

- A. The Work must be substantially completed within 1030 days after the date when the Contract Time commences to run as provided in Subarticle 1.06 N of the General Requirements (Division 1), and all requirements of the Contract Documents completed and ready for final payment within 1090 days after the date when the Contract Time commences to run.
- B. The effective date of the "Notice to Proceed" will be established during the Preconstruction Conference which is held shortly after the Award of Contract and which is attended by members of Department of Transportation and Public Works, the Contractor, representatives of utility companies, and others affected by the Work. The effective date shall be set as a date no later than 30 calendar days after the date of execution of the Contract Documents, unless a later date acceptable to both parties is agreed upon in writing.

2. GENERAL CONSTRUCTION

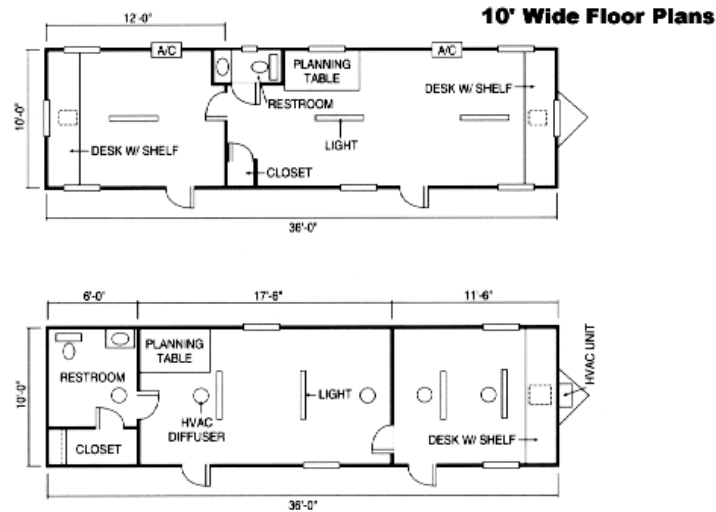
2.01 FIELD OFFICE (REV. 11-9-15)

Description:

1. This section specifies the furnishing, installing, and maintaining of a field office for the exclusive use of the Engineer and Miami-Dade County (MDC) in the administration of the Contract. The aforementioned office shall be separated from, but in close proximity to the Contractor's office. The Contractor shall not use this office or its equipment, in particular the telephone.
2. In the event a mobile office unit cannot be used, the Engineer may direct the Contractor to forgo the aforementioned mobile office unit and instead provide a Field Office located in available commercial space within close proximity to the project site. It shall be the responsibility of the Contractor to identify said availability and to secure the required office space upon the Engineer's written approval. All of the requirements and conditions, set forth herein regarding the Field Office Article, shall remain unless otherwise specifically provided in writing from the Engineer.
3. Contractor will provide a proposed field office layout and location to the Engineer for his review within 5 days of the issuance of the "Notice to Proceed." The location of the field office shall be as directed by the Engineer. The Field Office shall be located within one (1) mile from the project site.
4. Utilities, potable water and telephone connection, use and service charges shall be paid by the Contractor during the term of the contract. Long distance calls, made by MDC personnel, will be the responsibility of MDC. (Telephone calls to Monroe, Broward and Palm Beach Counties will not be considered as long distance).
5. No work shall commence until the Field Office is completely set up. Including electricity, functioning telephone/internet and air conditioning along with the appropriate Certificate of Occupancy. No exception will be made unless specifically authorized by the Engineer.

B. Products

1. Field Office
 - a. Furnish and install one (1) new, factory manufactured, mobile field office unit not less than 10'X36'. Floor space shall be divided and shall include no less than one restroom and one private office. The private office shall be approximately 120 square feet. The Mobile Unit layout shall be consistent with either of the diagrams below. The private office will be located at an end of the mobile unit.
 - b. Layout:



- c. The following items, materials and services shall be included and/or provided:
- 1) The Field Office shall be weather tight and have a structurally sound foundation and superstructure;
 - 2) Exterior walls, floors, and ceilings shall be insulated;
 - 3) Interior walls and ceilings shall be refinished plywood paneling;
 - 4) Interior Floors shall have resilient flooring;
 - 5) Restroom furnishings shall include: Water closet, lavatory with hot and cold water supply, mirror, soap holder, toilet tissue dispenser, and paper towel dispenser;
 - 6) The interior lighting shall not be less than 100 foot candles at desk height except in the restroom. The restroom lighting shall be adequate. Exterior lighting shall be located over each entrance door;
 - 7) Electrical receptacles shall be of the duplex receptacle type, not more than 10 feet from center-to-center, on all interior walls except in the restroom;
 - 8) An electrical water cooler shall be provided with hot and cold taps, bottled water, and a supply of drinking cups and cup disposal as needed by the Engineer and Staff;
 - 9) An electrical refrigerator, with a capacity of no less than 1.7 c.f. and of energy efficient design shall be provided;
 - 10) The Field Office shall include a Hot Water Heater with no less than a 20 gallon capacity;
 - 11) The Field Office shall have a heating and air-conditioning, thermostatically controlled, system capable of maintaining office spaces at an ambient temperature between 68 and 78 degrees Fahrenheit;
 - 12) The exterior doors to the private office and any interconnecting doors between offices shall be fitted with door locks and keyed alike. Three sets of keys shall be provided to the Engineer. Any door between the central space and the restroom shall have privacy locks;
 - 13) The Field Office shall have one telephone with an answering machine. Additionally, provide a dedicated phone line for a fax machine; and one jack for Internet broadband access;

- 14) The private office within the Field Office shall be equipped with Broadband Internet service, no less than 1 GB of speed, including e-mail capabilities for the duration of the Contract;
- 15) Contractor will provide a laptop computer having the following minimum configuration or better:
 - a) Processor - Intel® Core i5-5200U CPU (or equivalent)
 - b) Graphics Processor - Intel HD Graphics 5500 GPU
 - c) Display - 15.4 inch 16:9 format, 1920 x 1080 Pixels, IPS, matte finish
 - d) Storage - 250 GB SSD
 - e) Memory - 8.0 GB RAM
 - f) USB 3.0 Ports (Minimum of 2)
 - g) LAN - Gigabit Ethernet Port
 - h) WLAN - Dual Band Wireless-AC (802.11 a/b/g/n/ac)
 - i) Backlit QWERTY Keyboard
 - j) Operating System - Windows 7 Professional Series (or newer)
 - k) Replaceable Battery (Not Built-in)
 - l) Kensington Lock/Security Locking Cable (Combination Lock)
 - m) Three years Manufacturer's Warranty (parts/labor/on site)
 - n) Carrying case
- 16) Contractor will deliver laptop computer specified above to the County Project Manager no later than 5 days from their receipt of the Notice to Proceed. The Project Manager will submit the laptop to the Information Technology Department (ITD) for certification that it meets the minimum specifications set forth herein. The Project Manager will provide a written confirmation to the Contractor upon certification by ITD;
- 17) Contractor will provide one fax machine, of the plain paper type. The Contractor shall supply an adequate supply of ink/toner for the fax machine, as needed by the Engineer;
- 18) Contractor will provide one color printer and scanner to be operational in conjunction with the aforementioned computer. The Contractor to provide adequate supply of ink for the referenced printer, as needed by the Engineer;
- 19) Contractor will provide six Reams (500 count) of standard plain white letter paper to be used with the color printer and the fax machine;
- 20) Contractor will provide all cables, power cords, surge protector and software required to properly connect and operate the computer, printer, scanner and fax machine;
- 21) The fax machine and color printer and scanner may be combined into one unit, as long as it is operational in conjunction with the referenced computer;
- 22) The laptop computer, fax machine, color printer, scanner and all accessories shall remain the property of Miami-Dade County upon completion of the contract. Said equipment shall be delivered to the Department as instructed by the Engineer.
- 23) The Field Office shall have an operational burglar alarm system, maintained and monitored by a qualified monitoring service for the duration of the contract or until such time the Engineer approves its termination. In the event the monitoring service receives an alert from the alarm, the Engineer shall be notified immediately;

- 24) The Field Office shall be equipped and secured with hurricane tie-downs, complying with current Miami-Dade County Ordinances;
- 25) The Field Office shall have ADA compatible steps, landings, and a handicap ramp with handrails. The steps, landings, decks and ramps shall all be constructed utilizing pressure treated lumber and hot dipped galvanized nails and bolts. A sketch design and layout of the aforementioned items shall be provided along with the proposed location and layout described in subarticle B above and will be subject to the approval of the Engineer;
- 26) Furnishings for the Field Office shall be supplied by the Contractor and shall include the following:
 - a) Two desks, having a surface area of 3x5 feet.
 - b) Two desk chair
 - c) One lockable wooden or metal locker of a size suitable for storing field testing and surveying equipment.

C. Execution

1. Access and Parking

- a. Field Office shall be located as to provide clear access from public streets including parking spaces for not less than five vehicles immediately adjacent to the field office. Signs shall be posted indicating that these spaces are reserved for the Engineer and/or Miami-Dade County personnel only. The parking area will be graded for drainage and surfaced with gravel, asphalt paving, or concrete paving.

2. Restroom Sewer Connection

- a. Restroom in the Field Office shall be connected to two 700 gallon chemical holding tanks. The holding tanks shall be serviced as often as necessary to prevent accumulation of wastes and unsanitary conditions, but no less than two times per week.

3. Maintenance

- a. Contractor must clean and service the Field Office and parking area three times per week during normal working hours. Cleaning and servicing includes complete janitorial services, soap, paper towels, and toilet tissue. Contractor will made all repairs in a timely manner at no additional compensation.

D. Measurement and Payment

1. Measurement

- a. The work under this Section will not be measured separately for payment. No separate payment will be made for the Engineer's Field Office, and it is to be included by the Contractor in prices bid for the various items of the work.

3. TRAFFIC CONTROL

3.01 TRAFFIC SIGNALIZATION AND SIGNS

- A. The DTPW Traffic Control Equipment Standards and Specifications Section 600 (General Provisions for Traffic Control Devices) is provided as an appendix to these Special Provisions. For current Traffic Signals and Signs Standards and Specifications visit the Miami-Dade County Traffic Signals and Signs Website under traffic Signals Resources at <http://www.miamidade.gov/publicworks/traffic-signals.asp> and for updates to the Miami-Dade County Traffic Control Equipment Standards and Specifications.

APPENDIX "G" TO SPECIAL PROVISIONS
FDOT SPECIFICATIONS 443 FRENCH DRAINS

SECTION 443 FRENCH DRAINS

443-1 Description.

Construct french drains, utilizing one of the authorized types of pipe, with coarse aggregate, or ballast rock when specified, and filter fabric.

443-2 Materials.

443-2.1 Pipe: Unless a particular type is specified in the Plans, pipe furnished may be any of the following types:

1. Concrete Pipe (Bell & Spigot): Slotted or perforated concrete pipe may be used. Meet the requirements of Section 449 for concrete pipe. Do not use gaskets. Fully insert the spigot in the bell, and bring home. Conform to Standard Plans, Index 443-001 for slotted pipe. Use perforated pipe having perforations equally located 360 degrees around the pipe. Use pipe having not less than 30 round perforations, 3/8 inch each, per square foot of inside pipe surface. Extend perforations to within 6 inches of the bell or spigot area. The Engineer will permit other perforations not less than 5/16 inch nor more than 3/8 inch in the least dimension if they provide an opening area not less than 3.31 in²/ft² of pipe surface.

2. Corrugated Aluminum Alloy Culvert Perforated Pipe: Meet the requirements of Section 945. Use perforated pipe having perforations equally located 360 degrees around the pipe. Locate perforations either on the inside crests or on the neutral axis of all corrugations except that perforations are not required within 4 inches of each end of each length of pipe or in a corrugation where seams are located.

Provide pipe having not less than 30 round perforations, 3/8 inch each, per square foot of pipe surface. The Engineer will permit other perforations not less than 5/16 inch nor more than 3/8 inch in the least dimension if they provide an opening area not less than 3.31 in²/ft² of pipe surface.

3. Corrugated Steel Perforated Pipe: Meet the requirements of Section 943. Meet the perforation requirements as specified in (2) above.

4. Bituminous Coated Corrugated Steel Perforated Pipe: Meet the requirements of Section 943. Meet the perforation requirements as specified in (2) above. Place the perforations prior to the bituminous coating. The Engineer will accept the minimum opening of not less than 3.31 in²/ft² of pipe if 50% of the opening area is maintained after coating.

5. Corrugated High-Density Polyethylene (HDPE) Perforated Pipe: Meet the requirements of Section 948. Meet the perforation requirements as specified in (2) above.

6. Polyvinyl Chloride (PVC) Perforated Pipe: Meet the requirements of Section 948. Meet the perforation requirements as specified in (2) above.

7. Corrugated Polypropylene Perforated Pipe: Meet the requirements of Section 948. Meet the perforation requirements as specified in (2) above.

443-2.2 Coarse Aggregate: Meet the requirements of 901-1.4 for No. 4 stone.

443-2.3 Select Fill: Use select fill meeting the requirements of Section 911.

443-3 Excavating Trench.

Excavate the trench in accordance with Section 125 unless specific trench excavation procedures are described in the Plans.

Carefully excavate the trench to such depths as required to permit the filter fabric, coarse aggregate and the pipe to be placed in accordance with the details shown in the Plans.

443-4 Laying Pipe.

Lay all pipe conforming with the lines and grades specified in the Plans and in accordance with these Specifications. Unless otherwise specified in the Plans, set the pipe with a 36 inch minimum cover and a maximum cover of 66 inches.

443-5 Placing Coarse Aggregate and Backfilling.

After placing the pipe and without disturbing the pipe, carefully place the coarse aggregate around the pipe to a depth shown in the Plans. Fold the filter fabric over the coarse aggregate. Backfill and compact as described below.

443-5.1 French Drains Under Pavement: Fill the area above the coarse aggregate with select fill material meeting the requirements of this Section. Place and compact the select fill according to the requirements for pipe as specified in Section 125. The Department will allow use of additional coarse aggregate over the top of the pipe instead of select fill material. In this case, the filter fabric shall be extended to wrap the additional coarse aggregate. The top of the coarse aggregate shall not be higher than the bottom of the base, unless shown in the Plans. The Department will not pay additional costs associated with substituting coarse aggregate for select fill.

443-5.2 French Drains not Under Pavement: Fill and compact the area above the coarse aggregate according to the requirements for pipe in Section 125, unless specific procedures are described in the Plans as specified in Section 125.

443-6 Method of Measurement.

The quantity of french drains to be paid for under this Section will be the length in feet, measured in place, completed and accepted as specified on Standard Plans, Index 443-001 for french drains.

443-7 Basis of Payment.

The quantities determined as provided above will be paid for at the Contract unit price per foot for french drains. Such prices and payments will be full compensation for all the work specified in this Section and will include all materials and all excavation, and will also include sheeting or shoring, if required, the disposal of surplus material, pavement restoration, backfilling and tamping, but will not include payment for items paid for elsewhere in the specifications.

Payment shall be made under:

Item No. 443- 70- French Drains - per foot.

APPENDIX “H” TO SPECIAL PROVISIONS

FDOT SPECIFICATIONS 110-6 REMOVAL OF EXISTING BRIDGES

110-5.2 Removal by Others: Where buildings within the area to be cleared and grubbed are so specified to be removed by others, remove and dispose of any foundations, curtain walls, concrete floors, basements or other foundation parts which might be left in place after such removal of buildings by others.

110-6 Removal of Existing Bridges.

110-6.1 General: The work under this Article includes bridges, as defined in 1-3.

Remove and dispose of the materials from existing bridges. Remove

1. those bridges and approach slabs, or portions of bridges, shown in the Plans to be removed;

2. those bridges and approach slabs, or portions of bridges, found within the limits of the area to be cleared and grubbed, and directed by the Engineer to be removed;

3. those bridges and approach slabs, or portion of bridges, which are necessary to be removed in order to complete the work; and

4. other appurtenances or obstructions which may be designated in the Contract Documents to be included as an item of payment for the work under this Article.

Submit schedule information and demolition plan to the Engineer for approval 15 working days before beginning any demolition or renovation of any structures.

110-6.2 Method of Removal:

110-6.2.1 General: Remove the structures in such a way so as to leave no obstructions to any proposed new bridge or to any waterways. Pull, cut off, or break off pilings to the requirements of the permit or other Contract Documents, or if not specified, not less than 2 feet below the finished graded surface. In the event that the Plans indicate channel excavation to be done by others, consider the finished graded surface as the limits of such excavation. For materials which are to remain the property of the Department or are to be salvaged for use in temporary bridges, avoid damage to such materials, and entirely remove all bolts, nails, etc. from timbers to be so salvaged. Mark structural steel members for identification as directed.

110-6.2.2 Removal of Steel Members with Hazardous Coatings: Submit to the Engineer for acceptance the “Contractor’s Lead in Construction Compliance Program”, QP2 certification from the Association for Materials Protection and Performance (AMPP) from the firm actually removing and disposing of these steel members before any members are disturbed.

Vacuum power tool clean any coated steel member to bare metal as defined by SSPC-SP11 a minimum of 4 inches either side of any area to be heated (e.g. torch cutting, sawing, grinding, etc.) in accordance with 29 CFR 1926.354. Abrasive blasting is prohibited.

110-6.3 Partial Removal of Bridges: On concrete bridges to be partially removed and widened, remove concrete by manually or mechanically operated pavement breakers, by concrete saws, by chipping hammers, or by hydro-demolition methods. Do not use explosives. Where concrete is to be removed to neat lines, use concrete saws or hydro-demolition methods capable of providing a reasonably uniform cleavage face. If the equipment used will not provide a uniform cut without surface spalling, first score the outlines of the work with small trenches or grooves. For all demolition methods, submit for review and approval of the Engineer, a demolition plan that describes the method of removal, equipment to be used, types of rebar splices or couplers, and method of straightening or cutting rebar. In addition, for hydro-demolition, describe the method for control of water or demolition waste runoff and measures for safe containment of concrete fragments that are thrown out by the hydro-demolition machine.

110-6.4 Authority of U.S. Coast Guard: For bridges in navigable waters, when constructing the project under authority of a U.S. Coast Guard permit, the U.S. Coast Guard may inspect and approve the work to remove any existing bridges involved therein, prior to acceptance by the Department.

110-6.5 Asbestos Containing Materials (ACM) Not Identified Prior to the Work:
When encountering or exposing any condition indicating the presence of asbestos, cease operations immediately in the vicinity and notify the Engineer.

Make every effort to minimize the disturbance of the ACM. Immediately provide provisions for the health and safety of all jobsite personnel and the public that may be exposed to any ACM. Provisions shall meet all applicable Federal, State, and Local Laws, Rules and Regulations regarding potentially hazardous conditions due to ACM.

Provide access to the potential contamination area. Preliminary investigation by the Contamination Assessment and Remediation (CAR) Contractor. The CAR Contractor will determine the course of action necessary for site security and the steps necessary to prevent exposure to the ACM.

The CAR Contractor will perform an asbestos survey to delineate the asbestos areas, and identify any staging or holding areas that will be needed for assessment or abatement of the asbestos material.

The CAR Contractor will maintain jurisdiction over activities within areas contaminated with ACM including staging and holding areas. The CAR Contractor will be responsible for the health and safety of workers within these delineated areas. Provide continuous access to these areas for the CAR Contractor and representatives of regulatory or enforcement agencies having jurisdiction.

Coordinate with the CAR Contractor and Engineer to develop a work plan with projected completion dates for the final resolution of the contamination, in coordination with any regulatory agencies as appropriate. Use the work plan and schedule as a basis for planning the completion of all work efforts. The Engineer may grant Contract Time extensions according to the provisions of 8-7.3.2.

Cooperate with the CAR Contractor to expedite integration of the CAR Contractor's operations into the construction project. Adjustments to quantities or to Contract unit prices will be made according to work additions or reductions on the part of the Contractor in accordance with 4-3.

The Engineer will inform the Contractor when operations may resume in the affected area.

110-7 Removal of Existing Concrete.

Remove and dispose of existing Portland cement concrete pavement, sidewalk, slope pavement, ditch pavement, curb, and curb and gutter, etc., where shown in the Plans.

Remove all gravity walls, noise/sound walls, retaining walls, MSE walls, perimeter walls, and roadway concrete barriers, where shown in the Plans. All ancillary elements of these concrete features being removed including, but not limited to, base, leveling pads, copings, reinforcing steel or straps, footings, edgedrains, etc, are incidental and included in the cost of the removal.

110-8 Ownership of Materials.

Except as may be otherwise specified in the Contract Documents, take ownership of all buildings, structures, appurtenances, and other materials removed and dispose of them in accordance with 110-9.

110-9 Disposal of Materials.

110-9.1 General: Either stack materials designated to remain the property of the Department in neat piles within the right-of-way, load onto the Department's vehicles, or deliver to location designated in the Plans.

Dispose of timber, stumps, brush, roots, rubbish, and other material resulting from clearing and grubbing in areas and by methods meeting the applicable requirements of all Federal, State and Local Rules and Regulations. Do not block waterways by the disposal of debris.

With the approval of the Engineer, wood chips may be evenly distributed to a depth of no more than one inch in designated areas in the Department's right-of-way.

110-9.2 Burning Debris: Where burning of such materials is permitted, perform all such burning in accordance with the applicable Federal, State and Local rules and regulations. Perform all burning at locations where trees and shrubs adjacent to the cleared area will not be harmed.

110-9.3 Timber and Crops: The Contractor may sell any merchantable timber, fruit trees, and crops that are cleared under the operations of clearing and grubbing for their own benefit, subject to the provisions of 7-1.2, which may require that the timber, fruit trees, or crops be burned at or near the site of their removal, as directed by the Engineer. The Contractor is liable for any claims which may arise pursuant to the provisions of this Subarticle.

110-9.4 Disposal of Treated Wood: Treated wood must be handled and disposed of properly during removal. Treated wood should not be cut or otherwise mechanically altered in a manner that would generate dust or particles without proper respiratory and dermal protection. The treated wood must be disposed of in at least a lined solid waste facility or through recycling/reuse. Treated wood shall not be disposed by burning or placement in a construction and demolition (C&D) debris landfill.

110-9.5 Hazardous Materials/Waste: Handle, transport, and dispose of hazardous materials/waste in accordance with all Federal, State, and Local Rules and Regulations including, but not limited to, the following:

1. SSPC Guide 7
2. Federal Water Pollution Control Act, and
3. Resource Conservation and Recovery Act (RCRA).

Accept responsibility for the collection, sampling, classification, packaging, labeling, accumulation time, storage, manifesting, transportation, treatment and disposal of hazardous materials/waste, both solid and liquid. Separate all solid and liquid waste and collect all liquids used at hygiene stations and handle as hazardous materials/waste. Obtain written approval from the Engineer for all hazardous materials/waste stabilization methods before implementation.

Obtain an EPA/FDEP Hazardous Waste Identification Number (EPA/FDEP ID Number) before transporting and/or disposal of any hazardous waste.

List the Department as the generator for hazardous waste resulting from removal or demolition of Department materials.

Submit the following for the Engineers' approval before transporting, treatment or disposal of any hazardous materials/waste:

1. Name, address and qualifications of the transporter,
2. Name, address and qualifications of the treatment facility,
3. Proposed treatment and/or disposal of all Hazardous Materials/Waste.
4. EPA/FDEP Hazardous Waste Identification Number.
5. Manifest forms.

Transport all hazardous materials/waste in accordance with applicable Federal, State, and Local Rules and Regulations including, but not limited to, the 40 CFR 263 Standards. Submit all final Hazardous Materials/Waste manifest/bills of lading and certificates of disposal to the Engineer within 21 days of each shipment.

110-9.5.1 Steel Members with Hazardous Coating: Dispose of steel members with hazardous coating in one of the following manners:

1. Deliver the steel members and other hazardous waste to a licensed recycling or treatment facility capable of processing steel members with hazardous coating.
2. Deliver the steel members with hazardous coating to a site designated by the Engineer for use as an offshore artificial reef. Deliver any other hazardous materials/waste to a licensed hazardous materials/waste recycling treatment facility.

Dismantle and/or cut steel members to meet the required dimensions of the recycling facility, treatment facility or offshore artificial reef agency.

All compensation for the cost of removal and disposal of hazardous materials/waste will be included in the Cost of Removal of Existing Structures.

110-9.5.2 Certification of Compliance: Submit certification of Compliance from the firm actually removing and disposing of the hazardous materials/waste stipulating, the hazardous materials/waste has been handled, transported and disposed of in accordance with this Specification. The Certification of Compliance shall be attested to by a person having legal authority to bind the company.

Maintain all records required by this Specification and ensure these records are available to the Department upon request.

110-10 Miscellaneous Operations.

110-10.1 Water Wells Required to be Plugged: Fill or plug all water wells within the right-of-way, including areas of borrow pits and lateral ditches, that are not to remain in service, in accordance with applicable Federal, State, and Local Rules and Regulations.

Cut off the casing of cased wells at least 12 inches below the existing surface or 12 inches below the elevation of the finished graded surface, whichever is lower. Water wells, as referred to herein, are defined either as artesian or non-artesian, as follows:

1. An artesian well is an artificial hole in the ground from which water supplies may be obtained and which penetrates any water-bearing rock, the water in which is raised to the surface by natural flow or which rises to an elevation above the top of the water-bearing bed. Artesian wells are further defined to include all holes drilled as a source of water that penetrate any water-bearing beds that are a part of the artesian water system of Florida, as determined by representatives of the applicable Water Management District.

2. A non-artesian (water-table) well is a well in which the source of water is an unconfined aquifer. The water in a non-artesian well does not rise above the source bed.

110-10.2 Leveling Terrain: Within the areas between the limits of construction and the outer limits of clearing and grubbing, fill all holes and other depressions, and cut down all

mounds and ridges. Make the area of a sufficient uniform contour so that the Department's subsequent mowing and cutting operations are not hindered by irregularity of terrain. Perform this work regardless of whether the irregularities were the result of construction operations or existed originally.

110-10.3 Mailboxes: When the Contract Documents require furnishing and installing mailboxes, permit each owner to remove the existing mailbox. Work with the Local Postmaster to develop a method of temporary mail service for the period between removal and installation of the new mailboxes. Install the mailboxes in accordance with the Standard Plans.

110-11 Method of Measurement.

110-11.1 Clearing and Grubbing: The quantity to be paid for will be the lump sum quantity.

110-11.2 Selective Clearing and Grubbing: The quantity to be paid will be the plan quantity area in acres designated for Selective Clearing and Grubbing. The quantity to be paid for Tree Protection Barrier will be the linear foot measurement as shown in the Plans. Tree Root, Branch Pruning, and Tree Removal will be paid per each tree. Tree Removal per each will not be used where Clearing and Grubbing or Selective Clearing and Grubbing per acre is used.

110-11.3 Removal of Existing Bridges: The quantity to be paid for will be the lump sum quantity or quantities for the specific structures, or portions of structures to be removed.

110-11.4 Removal of Existing Concrete: The quantity to be paid for will be the number of square yards of existing concrete elements, acceptably removed and disposed of, as specified. The quantity will be determined by actual measurement along the surface of the element before its removal. Measurements for appurtenances which have irregular surface configurations, such as curb and gutter, steps, and ditch pavement, will be the area as projected to an approximate horizontal plane. Where the removal of pavement areas is necessary only for the construction of box culverts, pipe culverts, storm sewers, inlets, manholes, etc., these areas will not be included in the measurements.

Area measurements for walls will be based on exposed vertical face measurements times the horizontal length of the wall.

110-11.5 Plugging Water Wells: The quantity to be paid for will be the number of water wells plugged, for each type of well (artesian or non-artesian).

110-11.6 Mailboxes: The quantity to be paid for will be the number of mailboxes acceptably furnished and installed.

110-11.7 Delivery of Salvageable Material to the Department The quantity to be paid for will be the Lump Sum quantity for delivery of salvageable materials to the Department, as indicated in the Plans.

110-11.8 General: In each case, except as provided below, where no item of separate payment for such work is included in the proposal, all costs of such work will be included in the various scheduled items in the Contract, or under specific items as specified herein below or elsewhere in the Contract.

110-12 Basis of Payment.

110-12.1 Clearing and Grubbing:

110-12.1.1 Lump Sum Payment: Price and payment will be full compensation for all clearing and grubbing required for the roadway right-of-way and for lateral ditches, channel changes, or other outfall areas, and any other clearing and grubbing indicated, or required for the construction of the entire project, including all necessary hauling, furnishing

equipment, equipment operation, furnishing any areas required for disposal of debris, leveling of terrain and the landscaping work of trimming, etc.

Where construction easements are specified in the Plans and the limits of clearing and grubbing for such easements are dependent upon the final construction requirements, no adjustment will be made in the lump sum price and payment, either over or under, for variations from the limits of the easement defined in the Plans.

110-12.1.2 When No Direct Payment is Provided: When no item for clearing and grubbing is included in the proposal, the Contractor shall include the cost of any work of clearing and grubbing which is necessary for the proper construction of the project in the Contract price for the structure or other item of work for which such clearing and grubbing is required. The Contractor shall include the cost of all clearing and grubbing which might be necessary in pits or areas from which base material is obtained in the Contract price for the base in which such material is used. The clearing and grubbing of areas for obtaining stabilizing materials, where required only for the purpose of obtaining materials for stabilizing, will not be paid for separately.

110-12.2 Selective Clearing and Grubbing: Price and payment will be full compensation for all selective clearing and grubbing, including all necessary hauling, furnishing equipment, Certified Arborist, equipment operation, furnishing any areas required for disposal of debris, leveling of terrain, root pruning and tree protection.

110-12.3 Removal of Existing Bridges: Price and payment will be full compensation for all work of removal and disposal of the designated bridges.

When direct payment for the removal of existing bridges is not provided in the proposal, the Contractor shall include the cost of removing all bridges in the Contract price for clearing and grubbing or, if no item of clearing and grubbing is included, in the compensation for the other items covering the new bridge being constructed.

110-12.4 Removal of Existing Concrete: Price and payment will be full compensation for performing and completing all the work of removal and satisfactory disposal.

When no separate item for this work is included, the Contractor shall include the costs of this work in the Contract price for the item of clearing and grubbing or for the pipe or other structure for which the concrete removal is required.

110-12.5 Plugging Water Wells: Price and payment will be full compensation for each type of well acceptably plugged.

If a water well requiring plugging is encountered and the Contract contains no price for plugging wells of that specific type, the plugging of such well will be paid for as unforeseeable work.

110-12.6 Mailboxes: Price and payment will be full compensation for all work and materials required, including supports and numbers.

110-12.7 Delivery of Salvageable Material to the Department: Price and payment will be full compensation for all work required for delivery of the materials to the Department.

110-12.8 Payment Items: Payment will be made under:

- Item No. 110- 1- Clearing and Grubbing - lump sum.
- Item No. 110- 2- Selective Clearing and Grubbing Area - acre.
- Item No. 110- 3- Removal of Existing Bridges - lump sum.
- Item No. 110- 4- Removal of Existing Concrete - per square yard.
- Item No. 110- 5- Plugging Water Wells (Artesian) - each.
- Item No. 110- 6- Plugging Water Wells (Non-Artesian) - each.
- Item No. 110- 7- Mailbox (Furnish and Install) - each.



Item No. 110- 21	Tree Protection Barrier - per linear foot.
Item No. 110- 22	Tree Root and Branch Pruning - per each tree.
Item No. 110- 23	Tree Removal - per each tree.
Item No. 110- 86-	Delivery of Salvageable Material to FDOT - lump sum.