

ELECTRONIC DOCUMENTS DISCLAIMER

1. Electronic copies of the solicitation documents are made available on this website solely for the convenience of prospective bidders (whether as a prime contractor or sub-contractor) on the Project, and are not considered part of the Contract Documents. No representation or warranty is made, either expressed or implied, with regard to the accuracy or suitability of these electronic copies for any purpose whatsoever. In the event of discrepancies or conflicts between the County's originally published document(s) and any other version distributed or submitted by other parties, the County's original hard copy version shall prevail.
2. Miami-Dade County Department of Transportation and Public Works (DTPW) does not track or monitor downloads of Project documents from this website. Therefore, prospective bidders who choose to use this method of distribution shall also be responsible for monitoring the site and downloading any applicable addenda or supplemental information. DTPW will distribute hard copy addenda or supplemental information only to those persons or firms who we have purchased a hard copy of the original solicitation documents.
3. Miami-Dade County shall not be responsible for errors and omissions occurring in the transmission or downloading of any documents or specifications from this website. In the event of any discrepancy between information obtained from this website and the DTPW hard copy solicitation documents and specifications, the terms of the hard copy documents will prevail.
4. Miami-Dade County does not guarantee continuous, uninterrupted or secure access to this or other related websites. Operation of this website may be affected from time to time by numerous factors outside of our control. In the event that we are notified of any problems in a timely manner we will do our best to assist with those problems that fall within our control. For assistance, contact us at 305-375-2930. Solicitation documents are removed from this website as soon as possible after the due date.
5. DTPW does not accept facsimile or electronic bid responses of any kind. All bids must be submitted in writing, on the forms provided by the County, to the address designated in the bid package. It is the bidder's responsibility to ensure that their submittals are received at the designated location, complete and on time. Bids received after the due date will be rejected, even if the solicitation is still appearing on this site.
6. With regards to Miscellaneous Construction Contracts (MCC) 7040 Plan Request for Price Quotations:
 - a. Only bidders included on the Project's Bidders List, provided by the Internal Service Department, Procurement Management Division to the DTPW, can submit a bid.
 - b. Only timely bids received from bidders included in the Project's Bidders List will be considered.
7. These documents shall not be altered in any manner. Utilization or viewing of these electronic documents shall constitute implicit acknowledgement and acceptance of these provisions. Failure to comply with these provisions may result in rejection of your bid.



Roadway Resurfacing Contract

Miami-Dade County

Various Locations Countywide

Supplemental Solicitation
and Contract Documents

Small Business Enterprise-Construction Program (SBE-Construction):

CSBE Trade Set Aside

Community Workforce Program:

10.00 % Goal

DTPW Capital Improvements Engineer:

Alicia Arce

RPQ Advertisement Date:

3/31/2016

Miscellaneous Construction Contract (MCC) Program:

MCC 7360 Plan-CICC 7360-0/08 RPQ No. 20160020

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SECTION 1: INVITATION TO BID

Public Works and Waste Management
Capital Improvements Section
111 NW 1st Street, Suite 1410
Miami FL 33128



MIAMI-DADE COUNTY, FLORIDA
REQUEST FOR PRICE QUOTATION (RPQ)
Contract No: MCC 7360 Plan - CICC 7360-0/08
RPQ No: 20160020

INVITATION TO BID

A RPQ has been issued for the work identified below. If you are interested in submitting a bid for this project, please submit your bid via Sealed Envelopes, attention to Clerk of the Board at 111 NW 1 St, 17 Floor no later than 5/4/2016 at 02:00 PM. If you have any questions, contact Alicia Arce at 305 375-2930.

This RPQ is issued under the terms and conditions of the Miscellaneous Construction Contracts (MCC) Program MCC 7360 Plan.

RPQ DETAILED BREAKDOWN

Bid Due Date:	5/4/2016	Time Due:	02:00 PM	Submitted Via:	Sealed Envelopes	SBE-Con. Level:	N/A	
Estimated Value:	\$1,966,964 (excluding Contingencies and Dedicated Allowances)							
Project Name:	Roadway Resurfacing Contract							
Project Location:	See Comments Section							
License Requirements:	Primary:	General Engineering; Paving						
Scope of Work:	<p>(Contractor must obtain and submit all permits prior to performing any work). SCOPE OF WORK A. Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required to construct the Work in accordance with the Contract Documents. B. Work includes but is not limited to the following: Milling and resurfacing, widening and resurfacing of intersecting streets, up to the existing joint at the side street or up to the Point of Curvature as determined by the Engineer or as indicated in the Plans, resurfacing of asphaltic pathways (pedestrian, bicycle, etc.) adjacent or not to the edge of pavement as necessary, temporary utility repairs (cold patches), clearing and excavating of shoulder areas or build-up, as directed by the Engineer; grading and clean-up of adjacent shoulders and removal of roots, as required, pavement markings including the installation of reflective pavement markers (blue/blue) at fire hydrant locations, sidewalk, sidewalk curbs and connectors, and pedestrian ramps . Resurfacing work may include any of the following: a .Application of asphaltic concrete surface course to existing wearing course. b. Application of asphaltic concrete leveling courses to existing wearing surfaces prior to and in preparation for item (a) above. c. Application of asphaltic concrete to previously primed rock roads. d. Resurfacing of private driveways shall be limited to feathering of the asphaltic concrete mat to a point two (2) feet from the edge of the roadway. Resurfacing of the remainder of private driveways is expressly prohibited under this Contract, unless directed by the Engineer. e. The contractor shall adjust all storm water, water and sewer valves and manholes prior to resurfacing. All adjustments shall be made by the built-up method, not by the use of adjustment of rings. C. If any changes are required due to conflict of design and or field conditions, the Engineer will make the final determination. D. 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.</p>							
Document Pickup:	Contact:	Capital Improvements Section	Phone No:	305 375-2930	Date:	3/31/2016		
	Location:	111 NW 1st Street, Suite 1410						
Pre-Bid Meeting::	Required:	YES	Mandatory:	No	Date:	4/6/2016	Time:	10:00 AM
	Location:	111 NW 1st Street, Suite 15 Floor, Front Conference Room						
Site Meeting:	Required:	No	Mandatory:	No	Date:		Time:	

Location:			
Bid shall be submitted to:	Contact:	Clerk of the Board	
	Address:	111 NW 1 St, 17 Floor	
Type of Contract:	Single Trade	Method of Award:	Lowest Responsible Bidder
Method of Payment:	Scheduled Monthly Payments	Insurance Required:	YES
Additional Insurance Required:	YES	If Yes - Minimum Coverage:	\$1,000,000.00
Performance & Payment Bond Required:	YES	Bid Bond Required:	YES
Prevailing Wage Rate Required:	Highway Construction	Davis Bacon:	NO
		AIPP:	NO
		Amount:	
SBE-Con. Requirements:	NO	Percentage:	0.00%
SBD Subcontractor Forms Required:	YES		
DBE Requirements:	NO	Percentage:	0.00%
DBE Subcontractor Forms Required:	NO		
CWP Requirements:	NO	Percentage:	0.00%
Liquidated Damages:	YES	\$\$ Per Day:	\$1,584.00
Trade Set-a-side:	YES	If Yes, Trade =	Paving Markings and Concrete Work
For RPQ's less than \$10,000, if no LD rate is specified, the County reserves the right to assess actual damages in lieu of LDs.			
Design Drawing Included:	NO	Shop Drawing Included:	NO
		Specifications Included:	YES
Anticipated Start Date:	8/4/2016		Calendar Days for Project Completion:
			450
Comments:	<p>Pursuant to Section 2-8.10 of the Code of Miami-Dade County, this Contract is subject to a user access fee under the County's User Access Program (UAP) in the amount of two percent (2%). All construction services provided under this contract are subject to the 2% UAP. This fee applies to all Contract usage whether by County Departments or by any other governmental, quasi-governmental or not-for-profit entity. From every payment made to the Contractor under this contract (including the payment of retainage), the County will deduct the two percent (2%) UAP fee provided in the ordinance and the Contractor will accept such reduced amount as full compensation for any and all deliverables under the contract. The County shall retain the 2% UAP for use by the County to help defray the cost of its procurement program. Contractor participation in this pay request reduction portion of the UAP is mandatory.</p> <p>Provided, however, UAP shall not be applicable for total contract values, inclusive of contingency and allowance accounts, of less than five hundred thousand dollars (\$500,000.00).</p> <p>Location of Work:</p> <p>1) N Miami Ave from N 17 St to N 87 St 2) NE 215 St from NE 2 Ave to NE 12 Ave</p> <p>The locations of work to be performed under the terms of this Contract have been tentatively listed in this Section.</p> <p>The County may update this work site list subsequent to the Award of this Contract by adding, deleting, or substituting with comparable sites. The actual location(s) of work shall be identified in the Work Order(s) issued subsequent to the Award of the Contract. The combined total cost for all work authorized by the Work Order(s) shall not exceed the Contract Award amount.</p> <p>The Department does not guarantee that the full amount of the Contract will be issue to the Contractor. The actual amount of Work orders assigned will be the prerogative of the department in its sole discretion and dependent only upon its needs.</p> <p>LICENSE REQUIREMENTS:</p> <p>At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active Certificate of Competency as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include Paving Engineering. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified.</p>		

Pursuant to Section 255.20, Florida Statutes (F.S.) and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed Contractor in good standing that has been prequalified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this Paragraph shall submit along with the Bid Documents for review and consideration, current copy(ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptance FDOT prequalification(s) necessary to perform the work specified in the Project's Scope of Work shall include the Flexible Paving work class.

The Contractor shall furnish Certificates of Insurance to the County prior to commencing any operations under this Contract. The certificates shall clearly indicate that the Contractor has obtained insurance, in the type, amount and classification required by these Contract Documents.

INDEMNIFICATION AND INSURANCE REQUIREMENTS

The Contractor shall furnish to Department of Transportation and Public Works , 111 NW 1 Street, Miami Florida 33128, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

- Worker's Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.
- Commercial General Liability Insurance on a comprehensive basis, including Explosion, Collapse and Underground Liability coverage in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage. Miami-Dade County must be shown as an additional insured with respect to this coverage.
- Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.

BID DOCUMENTS:

Bidding documents may be purchased from the Department of Transportation and Public Works , Capital Improvements Section, 111 NW 1st Street, 14th Floor, Miami, Florida 33128 for a non-refundable fee of Seventy Five dollars (\$ 75.00) per each complete set of documents. Payment shall be in the form of a company check, cashier's check, or money order payable to the "Miami Dade Department of Transportation and Public Works ."

ADDENDUMS - RFI'S

The Department of Transportation and Public Works has made changes with regard to how addendums and requests for information (RFI) will be sent to document holders. Be advised that all Addendums, RFI's, and the document holders list (bidder's list) are now available to view online at the following web address:

<http://www.miamidade.gov/DPMww/SolicitationList.aspx>

Therefore, during the advertisement period, the Department will not be sending these documents via certified mail. All document holders must provide a dedicated e-mail address. The Department will only be sending addendums and RFI's by e-mail and posting online at the aforementioned link. The bidders list will be updated every Friday during the advertisement phase of the contract. Please be aware that acknowledgment of receipt of all addendums and RFI's remain a requirement when submitting bids.

Vendor Registration:

Due to the new Vendor Registration procedures of the Internal Services Department, Procurement Management Division, updated definitions along with the "Affirmation of Vendor Affidavits" has been added to the Bid Submittal Package. The successful bidder must be registered under this new procedure prior to award.

PRE BID - BID SUBMITTAL DUE DATE:

Pre-Bid Conference time and location: Wednesday, 10:00 a.m, April 6, 2016 , at 111 NW 1st Street, 15th Floor Front conference room

Bid Submittal Time and Location: Wednesday, 2:00 P.M., May 4, 2016 at 111 NW 1 Street, 17th Floor, Clerk of the Board Office.

DISCLOSURE:

- To participate in this MCC RPQ, vendors that have not registered under the new registration process that became effective in July 2008 will be required to submit a new Vendors Registration Package prior to receiving a new contract award.
- Pursuant to section 10-33.02 of the Code of Miami-Dade County, Florida, "a contractor who fails to meet an established SBE-Construction goal shall submit a SBE-Construction Make-up Plan for approval of the Small Business Development Division Director. A Make-up Plan and a corresponding Schedule of Intent Affidavit must be submitted as part of any bid or proposal submitted for future contracts at the time of bid or proposal submittal." **Failure to include the required Schedule of Intent Affidavit with this bid shall result in the submittal being deemed nonresponsive.**
- In accordance with Miami-Dade County Implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.
- Unless otherwise stipulated in this Invitation to Bid or in the Project's Solicitation Documents, the minimum insurance requirements are: Worker's Compensation Insurance as required by Florida Statute 440, Commercial General Liability Insurance on a comprehensive basis in an amount not less than \$300,000 combined single limit per occurrence for bodily injury and property damage. **Miami-Dade County must be shown as an additional insured with respect to this coverage**, Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$300,000 combined single limit per occurrence for bodily injury and property damage. Certificate holder must be shown as Miami Dade County, 111 NW 1st Street, Suite 2340, Miami, FL 33128, with a 30 day cancellation notification requirement. Proof of additional Insurance may be required for certain jobs

SECTION 2: SOLICITATION FORMS

All forms and documents contained in this Section shall be completed pursuant to these Contract Documents and submitted no later than the advertised Bid Submittal Due Date and Time for this Project.

Bid Form

PROJECT TITLE: Roadway Resurfacing

PROJECT NO: 20160020

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN FOUR HUNDRED FIFTY (450) 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
1WSR	3,141.0	S.F.	Saw cut and remove an average of two (2) inches of temporary cold asphalt patch on trench in order to expose and evaluate the condition of the base. If base is found suitable, clean loose material and replace the amount of cold patch removed with hot type S asphaltic concrete up to the level of the surrounding surface.			
2WSR	1,353.0	S.F.	Saw cut and remove an average of two (2) inches of existing temporary cold asphalt patch on trench in order to expose and evaluate the condition of the base. If base is found unsuitable by the Engineer, remove base material and replace with a minimum of eight (8) inches of compacted limerock or six (6) inches of hot S asphaltic concrete. In either case, replace the cold patch removed with hot type S asphaltic concrete up to the level of the surrounding surface.			
5WS1-A	1.0	P.N.	Night Differential for Milling			
6WS1-A	1.0	P.N.	Night Differential for Resurfacing			
101-327A	8.0	PER/SCT	MOBILIZATION FOR MILLING. (To be paid once, per each Section of a Township and Range) May be deleted if no milling in Section.			
102-74-2	762.0	EA/DAY	BARRICADES (Temporary, Type III, 6')			
102-76	66.0	EA/DAY	FLASHING ARROW BOARD (Temporary, Multimode)			
102-8A	10.0	S.Y.	RE-GRADE EXISTING SWALE (Without sod) (When required by the Engineer.)			
102-99	145.0	EA/DAY	VARIABLE MESSAGE SIGN (Temporary)			
102-60A	535.0	EA/DAY	WORK ZONE SIGNS			
110-4	7.0	S.Y.	REMOVAL OF EXISTING PAVEMENT			

Bid Form

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
110-4-1-1	766.0	L.F.	REMOVAL AND DISPOSAL OF EXISTING CURB AND GUTTER			
110-4-2A	946.0	S.Y.	REMOVAL OF EXISTING CONCRETE SIDEWALK (up to 8" thick, including base preparation)			
120-1	33.0	C.Y.	REGULAR EXCAVATION			
120-2-3	11.0	C.Y.	EMBANKMENT FOR ROAD BUILD-UP (Borrow material from Contractor's own source)			
120-2-4	48.0	C.Y.	EMBANKMENT MATERIAL FOR SHOULDER - Borrow material, from contractor's own source, see Special Provisions for description of material.			
160-4	56.0	S.Y.	TYPE "B" STABILIZATION (12" Thick) (Min. C.B.R. 30)			
200-2	124.0	S.Y.	BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION (Where needed at the discretion of the Engineer)			
210-1-2	57.0	S.Y.	LIMEROCK BASE (8" double course) (Primed)			
327-70	147,200.0	S.Y.	MILLING EXISTING PAVEMENT [(1")(Payment for greater cuts will be paid proportionally)]			
334-2-13-1	960.0	TON	Hot Mix Asphalt, Traffic C, SP-9.5			
337-8-42	10,120.0	TON	Hot Mix Asphalt Friction Course, Traffic C, FC-9.5, PG 76-22			
425-4(2)	1.0	EA.	ADJUSTING INLETS			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
425-5	30.0	EA.	ADJUST MANHOLE (This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)			
425-6	61.0	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)			
425-721E	2.0	EA.	REMOVAL AND DISPOSAL of existing damaged frames and pick up new frames at Miami-Dade Water and Sewer, including adjustment and installation of Manholes.			
425-721F	3.0	EA.	REMOVAL AND DISPOSAL of existing damaged frames and pick up new frames at Miami-Dade Water and Sewer, including adjustment and installation of Water Valves.			
520-2A	810.0	L.F.	CONCRETE CURB AND/OR GUTTER (Any type, Including base preparation)			
522-1(1)	700.0	S.Y.	CONCRETE SIDEWALK [4" THICK, 3,000 P.S.I. CONCRETE AT 28 DAYS (Includes the cost of pedestrian ramps and sidewalk curbs)			
522-2	324.0	S.Y.	CONCRETE SIDEWALK (6" Thick, 3000 P.S.I. concrete at 28 days) (including pedestrian ramps and sidewalk curbs)			
527-2	997.0	S.F.	DETECTABLE WARNING ON WALKING SURFACE			
575-1-1	715.0	S.Y.	SODDING (Pensacola Bahia or match existing) (includes watering)			
635-1-11	4.0	AS.	PULL BOX, METER TYPE (Polymer)			
700-40-01	31.0	AS.	ROADSIDE SIGNS {(SINGLE POST) (LESS THAN 12 S.F.)}			
700-46-22	2.0	EA.	RESET EXISTING POST AND SIGN			

Bid Form

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
705-71-361	10.0	EA.	36" TUBULAR DELINEATOR			
706-1-12	3,500.0	EA.	REFLECTIVE PAVEMENT MARKERS (class B, mono or bi-directional, all colors)			
710-11-121	50,991.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 6")			
710-11-122	411.0	L.F.	PAINTED PAVEMENT MARKINGS,STANDARD,WHITE,SOLID, 8"			
710-11-123	11,527.0	L.F.	PAINTED PAVEMENT MARKINGS,STANDARD,WHITE,SOLID, 12"			
710-11-124	340.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 18")			
710-11-125	4,212.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, White, solid, 24")			
710-11-141	6,068.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard) (White) (Skip) (6")			
710-11-160	11.0	EA.	PAINTED PAVEMENT MARKINGS (Standard)(White)(Message)			
710-11-170	99.0	EA	PAINTED PAVEMENT MARKING (Standard) (White) (Arrows)			
710-11-221	45,323.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard, Yellow, solid, 6")			
710-11-224	966.0	L.F.	PAINTED PAVEMENT MARKINGS,STANDARD,YELLOW,SOLID, 18"			

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
710-11-241	8,179.0	L.F.	PAINTED PAVEMENT MARKINGS (Standard) (Yellow) (Skip) (6")			
710-26-41A	3,025.0	L.F.	SOLID TRAFFIC STRIPE, PAINT - (4" white, or yellow)			
711-2	4.0	L.F.	SKIP TRAFFIC STRIPE (6' STRIPE, 10' SPACE) (WHITE THERMOPLASTIC) (6" WIDE)			
711-5	174.0	L.F.	GUIDELINES [(6" DOTTED) (2'-4' White) (Thermoplastic)]			
711-11-121	70,014.0	L.F.	THERMOPLASTIC (White) (Solid) (6")			
711-11-122	733.0	L.F.	THERMOPLASTIC (White) (Solid) (8")			
711-11-123	9,048.0	L.F.	THERMOPLASTIC (White) (Solid) (12")			
711-11-124	674.0	L.F.	THERMOPLASTIC (White) (Solid) (18")			
711-11-125	3,636.0	L.F.	THERMOPLASTIC (White) (Solid) (24")			
711-11-141	3,173.0	L.F.	THERMOPLASTIC (White) (Skip) (6")			
711-11-160	15.0	EA.	THERMOPLASTIC (White) (Message)			
711-11-170	96.0	EA	THERMOPLASTIC (White) (Arrows)			

Bid Form

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Item No	Quantity	Unit	Description	Written Unit Amount	Unit Price	Total
711-11-221	35,737.0	L.F.	THERMOPLASTIC (Yellow) (Solid) (6")			
711-11-224	982.0	L.F.	THERMOPLASTIC (Yellow) (Solid) (18")			
711-11-241	3,357.0	L.F.	THERMOPLASTIC (Yellow) (Skip) (6")			
711-14-160	102.0	EA.	Thermoplastic, Preformed, White, Message			
711-2A	18.0	L.F.	SKIP TRAFFIC STRIPE, THERMOPLASTIC (4" WHITE/YELLOW, 6'-10' SKIP)			
711-33-34	108.0	L.F.	SKIP TRAFFIC STRIPE- [(4" White/Yellow) (10' Stripe, 30' Skip)(Thermoplastic, lead free)]			
711-35-41	10.0	L.F.	SOLID TRAFFIC STRIPE -[(4" WHITE)(Thermoplastic)]			
711-36-41	10.0	L.F.	SOLID TRAFFIC STRIPE [(4"Yellow) (THERMOPLASTIC) (Lead-free)]			
711-72	24.0	S.F.	REMOVAL OF EXISTING PAVEMENT MARKINGS (Thermoplastic & Paint)			

Bid Form

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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: _____

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PROJECT NO: 20160020

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT WITHIN FOUR HUNDRED FIFTY (450) CALENDAR DAYS AFTER THE EFFECTIVE DATE ESTABLISHED IN THE *NOTICE TO PROCEED WITH CONTRACT WORK*.

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

ATTACHMENT 5A



RPQ BID FORM – ATTACHMENT 5A

RPQ Project Name: Roadway Resurfacing Contract

Price Proposal (Cost to Perform the work **must** be stated here. State 'No Bid' if not submitting a price proposal)

Bidder's Company Name: _____

Company Address: _____

City: _____ **State:** _____ **Zip:** _____

Telephone No: _____ **Fax No:** _____ **E-Mail:** _____

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BELOW BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE COUNTY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS OFFER.

Name of Person Submitting Quote (Print): _____

Number of Addendums received: _____ (if none' write "None")

Signature: _____ **Date:** _____

Note: Quotes must be submitted on this form. Quote envelope must state RPQ Number, date and time due and the Bidder's Name. Use of any other form for submission of the price quotation shall result in the rejection of the price quotation. Late bids will not be opened. *Low bidder will be notified, in the Recommendation of Award, of the requirements to submit current copies of insurance certificates in accordance with the Contract Documents. By signature, the CONTRACTOR agrees to be bound by the terms set forth in the MCC 7360 Plan.*

In accordance with Miami-Dade County Implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

ACKNOWLEDGMENT OF ADDENDA

MIAMI-DADE COUNTY
Department of Transportation and Public Works (DTPW)

PROJECT: Roadway Resurfacing Contract
Project No. 20160020

ACKNOWLEDGEMENT OF ADDENDA

(Must be completed and submitted with required solicitation documents)

Instructions: Complete Part I or Part II, as applicable.

PART I: Listed below are the dates of issue for each Addendum received in connection with this solicitation.

Addendum #1, Dated _____,	201__
Addendum #2, Dated _____,	201__
Addendum #3, Dated _____,	201__
Addendum #4, Dated _____,	201__
Addendum #5, Dated _____,	201__
Addendum #6, Dated _____,	201__
Addendum #7, Dated _____,	201__
Addendum #8, Dated _____,	201__
Addendum #9, Dated _____,	201__
Addendum #10, Dated _____,	201__

PART II:

_____ No Addendum was received in connection with this solicitation.

Authorized Signature: _____ Date: _____

Print Name: _____ Title: _____

Firm Name: _____

SURETY BID BOND

SURETY BID BOND	DATE BOND EXECUTED (must not be later than bid opening date)	REV. 1114 DTPW
------------------------	--	-------------------

PRINCIPAL (Full legal name and business address)	TYPE OF ORGANIZATION ("X" one)	
	<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership
	<input type="checkbox"/> Joint Venture	<input type="checkbox"/> Corporation

SURETY (Name and business address)

PENAL SUM OF BOND	*****Five Percent of the Total amount Bid*****		
BID IDENTIFICATION	Project No:	20160020	Bid Opening Date:
	County Project Name:	Roadway Resurfacing Contract	

OBLIGATION

Principal and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Miami-Dade County, Florida (herein after County) upon default of Principal the penal sum set forth on the face of this Bond.

Principal and Surety agree that the Penal Sum of the Bond is a liquidated damage reasonably estimated to compensate the County for damages suffered as a result of the Principal's default including but not limited to any resulting from delay, reprourement costs and incremental costs of contracting.

Default of Principal shall occur in the event that the Principal withdraws Bid within 180 days after bid opening (or any extension thereof agreed to in writing by the Bidder and County); or, after proper notification of intent to Contract from the County, fails to comply with all pre-award requirements including, but not limited to providing Payment and Performance Bonds with good and sufficient surety and the necessary Insurance Certificates pursuant to the Contract Documents, and enter into a written Contract with the County, as may be required; all within 10 days after the prescribed forms are presented to Principal for signature or as otherwise required by the Bidding Documents.

Payment under this Bond will be due and payable upon default of Principal and within 30 calendar days after receipt by Principal and Surety of written notice of default from County, which notice will be given with reasonable promptness, identifying this Bond and the Project.

Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

CONDITIONS

The Principal has submitted the Bid identified above.

THEREFORE

By executing this instrument Surety agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the County. Notice to the Surety of extensions is waived. However, waiver of the notice applies only to extensions aggregating not more than 60 calendar days in addition to the period originally allowed for acceptance of the bid. Any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or the changes does not affect Surety's obligation under this Bond.

WITNESS

The Principal and Surety executed this Bond and affixed their seals on the above date. Copy of Authorized Agent's current Identification Card as issued by State of Florida Insurance Commissioner must be attached.

PRINCIPAL

SIGNATURE		Principal's Corporate Seal
NAME AND TITLE (Typed)		

SURETY

SIGNATURE OF ATTORNEY-IN-FACT		Surety's Corporate Seal
PRINTED NAME OF ATTORNEY-IN-FACT (Typed)		
SIGNATURE OF AUTHORIZED FLORIDA AGENT		
PRINTED NAME OF AUTHORIZED FLORIDA AGENT (Typed)		

SCHEDULE OF INTENT AFFIDAVIT

AFFIRMATION OF VENDOR AFFIDAVITS



New Vendor Registration and Bid/Proposal Contract Language

1.1. DEFINITIONS FOR VENDOR REGISTRATION

Bid – shall refer to any offer(s) submitted in response to this solicitation.

Bidder – shall refer to anyone submitting a Bid in response to this solicitation.

Bid Solicitation – shall mean this solicitation documentation, including any and all addenda.

Bid Submittal Form – defines the requirement of items to be purchased, and must be completed and submitted with Bid. The Bidder should indicate its name in the appropriate space on each page.

County – shall refer to Miami-Dade County, Florida

DPM – shall refer to Miami-Dade County's Department of Procurement Management.

Enrolled Vendor – shall refer to a firm that has completed the necessary documentation in order to receive Bid notifications from the County.

Registered Vendor – shall refer to a firm that has completed the Miami-Dade County Business Entity Registration Application and has satisfied all requirements to enter into business agreements with the County.

The Vendor Registration Package – shall refer to the Business Entity Registration Application.

For additional information about on-line vendor enrollment or vendor registration contact the Vendor Assistance Unit at 111 N.W. 1st Street, 13th Floor, Miami, FL 33128, Phone 305-375-5773. Vendors can enroll online and obtain forms to register by visiting our web site at www.miamidade.gov/dpm

1.2. INSTRUCTIONS TO BIDDERS

A. Bidder Qualification

It is the policy of the County to encourage full and open competition among all available qualified vendors. All vendors regularly engaged in the type of work specified in the Bid Solicitation are encouraged to submit Bids. Vendors may enroll with the County to be included on a notification list for selected categories of goods and services. To be eligible for award of a contract (including small purchase orders), Bidders must become a Registered Vendor. Only Registered Vendors can be awarded County contracts. Vendors are required to register with the County by contacting the Vendor Assistance Unit. The County endeavors to obtain the participation of all qualified small business enterprises. For information and to apply for certification, contact the Department of Small Business Development at 111 N.W. 1 Street, 19th Floor, Miami, FL 33128-1900, or telephone at 305-375-3111. County employees and board members wishing to do business with the County are referred to Section 2-11.1 of the Miami-Dade County Code relating to Conflict of Interest and Code of Ethics.

B. Vendor Registration

To be recommended for award the County requires that vendors complete a Miami-Dade County Vendor Registration Package. Effective June 1, 2008, a new Vendor Registration Package, including a Uniform Affidavit Packet (Affidavit form), must be completed by vendors and returned to the Department of Procurement Management (DPM), Vendor Assistance Unit, within fourteen (14) days of notification of the intent to recommend for award. In the event the Vendor Registration Package is not properly completed and returned within the specified time, the County may in its sole discretion, award to the next lowest responsive, responsible Bidder. The Bidder is responsible for obtaining the Vendor Registration Package, including all affidavits by downloading from the DPM website at www.miamidade.gov or from the Vendor Assistance Unit at 111 N.W. 1st Street, 13th Floor, Miami, FL 33128.

Bidders are required to affirm that all information submitted with the Vendor Registration Package is current, complete and accurate, at the time they submit a response to a Bid Solicitation, by completing the provided Affirmation of Vendor Affidavit form.

In becoming a Registered Vendor with Miami-Dade County, the vendor confirms its knowledge of and commitment to comply with the following:

1. **Miami-Dade County Ownership Disclosure Affidavit**
(Sec. 2-8.1 of the County Code)
2. **Miami-Dade County Employment Disclosure Affidavit**
(County Ordinance No. 90-133, amending Section 2-8-1(d)(2) of the County Code)
3. **Miami-Dade County Employment Drug-free Workplace Certification**
(Section 2-8.1.2(b) of the County Code)
4. **Miami-Dade County Disability and Nondiscrimination Affidavit**
(Article 1, Section 2-8.1.5 Resolution R182-00 Amending R-385-95)
5. **Miami-Dade County Debarment Disclosure Affidavit**
(Section 10.38 of the County Code)
6. **Miami-Dade County Vendor Obligation to County Affidavit**
(Section 2-8.1 of the County Code)
7. **Miami-Dade County Code of Business Ethics Affidavit**
(Article 1, Section 2-8.1(i) and 2-11(b)(1) of the County Code through (6) and (9) of the County Code and County Ordinance No 00-1 amending Section 2-11.1(c) of the County Code)
8. **Miami-Dade County Family Leave Affidavit**
(Article V of Chapter 11 of the County Code)

9. **Miami-Dade County Living Wage Affidavit**
(Section 2-8.9 of the County Code)

10. **Miami-Dade County Domestic Leave and Reporting Affidavit**
(Article 8, Section 11A-60 11A-67 of the County Code)

11. **Subcontracting Practices**
(Ordinance 97-35)

12. **Subcontractor/Supplier Listing**
(Ordinance 97-104)

13. **Environmentally Acceptable Packaging**
Resolution (R-738-92)

14. **W-9 and 8109 Forms**

The vendor must furnish these forms as required by the Internal Revenue Service.

15. **Social Security Number**

In order to establish a file for your firm, you must provide your firm's Federal Employer Identification Number (FEIN). If no FEIN exists, the Social Security Number of the owner or individual must be provided. This number becomes your "County Vendor Number". To comply with Section 119.071(5) of the Florida Statutes relating to the collection of an individual's Social Security Number, be aware that DPM requests the Social Security Number for the following purposes:

- Identification of individual account records
- To make payments to individual/vendor for goods and services provided to Miami-Dade County
- Tax reporting purposes
- To provide a unique identifier in the vendor database that may be used for searching and sorting departmental records

16. **Office of the Inspector General**

Pursuant to Section 2-1076 of the County Code.

17. **Small Business Enterprises**

The County endeavors to obtain the participation of all small business enterprises pursuant to Sections 2-8.2, 2-8.2.3 and 2-8.2.4 of the County Code and Title 49 of the Code of Federal Regulations.

18. **Antitrust Laws**

By acceptance of any contract, the vendor agrees to comply with all antitrust laws of the United States and the State of Florida.

C. PUBLIC ENTITY CRIMES

To be eligible for award of a contract, firms wishing to do business with the County must comply with the following:

Pursuant to Section 287.133(2)(a) of the Florida Statutes, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit Bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 of the Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

FIRST TIER SUBCONTRACTORS/DIRECT SUPPLIER LIST

SUBCONTRACTOR/SUPPLIER LISTING
(Miami-Dade County Code Sections 2-8.1, 2-8.8 and 10-34)

Firm Name of Prime Contractor/Respondent _____ FEIN # _____

Project/Contract Number _____

In accordance with Sections 2-8.1, 2-8.8 and 10.34 of the Miami-Dade County Code, this form must be submitted as a condition of award by all bidders/respondents on County contracts for purchase of supplies, materials or services, including professional services which involve expenditures of \$100,000 or more, and all bidders/respondents on County or Public Health Trust construction contracts which involve expenditures of \$100,000 or more. The bidder/respondent who is awarded this bid/contract shall not change or substitute first tier subcontractors or direct suppliers or the portions of the contract work to be performed or materials to be supplied from those identified, except upon written approval of the County. The bidder/respondent should enter the word "NONE" under the appropriate heading of this form if no subcontractors or suppliers will be used on the contract and sign the form below.

In accordance with Ordinance No. 11-90, an entity contracting with the County shall report the race, gender and ethnic origin of the owners and employees of all first tier subcontractors/suppliers. In the event that the successful bidder demonstrates to the County prior to award that the race, gender, and ethnic information is not reasonably available at that time, the successful bidder shall be obligated to exercise diligent efforts to obtain that information and provide the same to the County not later than ten (10) days after it becomes available and, in any event, prior to final payment under the contract.

(Please duplicate this form if additional space is needed.)

Business Name and Address of First Tier Subcontractor/ Subconsultant	Principal Owner	Scope of Work to be Performed by Subcontractor/ Subconsultant	Principal Owner (Enter the number of male and female owners by race/ethnicity)							Employee(s) (Enter the number of male and female employees and the number of employees by race/ethnicity)							
			Gender		Race/Ethnicity					Gender		Race/Ethnicity					
			M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Native Alaskan	Other	M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Native Alaskan
Business Name and Address of First Tier Direct Supplier	Principal Owner	Supplies/Materials/ Services to be Provided by Supplier	Principal Owner (Enter the number of male and female owners by race/ethnicity)							Employee(s) (Enter the number of male and female employees and the number of employees by race/ethnicity)							
			Gender		Race/Ethnicity					Gender		Race/Ethnicity					
			M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Native Alaskan	Other	M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Native Alaskan

Mark here if race, gender and ethnicity information is not available and will be provided at a later date. This data may be submitted to Contracting/User department or on-line to the Small Business Development Division of the Regulatory and Economic Resources Department at <http://new.miamidade.gov/business/business-development.asp>.

I certify that the representations contained in this Subcontractor/Supplier listing are to the best of my knowledge true and accurate.

Signature of Bidder/Respondent _____

Print Name _____

Print Title _____

Date _____

COLLUSION AFFIDAVIT

COLLUSION AFFIDAVIT

(Code of Miami-Dade County Section 2-8.1.1 and 10-33.1) (Ordinance No. 08-113)

BEFORE ME, A NOTARY PUBLIC, personally appeared _____ who being duly sworn states: (insert name of affiant)

I am over 18 years of age, have personal knowledge of the facts stated in this affidavit and I am an owner, officer, director, principal shareholder and/or I am otherwise authorized to bind the bidder of this contract.

I state that the bidder of this contract:

is not related to any of the other parties bidding in the competitive solicitation, and that the contractor's proposal is genuine and not sham or collusive or made in the interest or on behalf of any person not therein named, and that the contractor has not, directly or indirectly, induced or solicited any other proposer to put in a sham proposal, or any other person, firm, or corporation to refrain from proposing, and that the proposer has not in any manner sought by collusion to secure to the proposer an advantage over any other proposer.

OR

is related to the following parties who bid in the solicitation which are identified and listed below:

Note: Any person or entity that fails to submit this executed affidavit shall be ineligible for contract award. In the event a recommended contractor identifies related parties in the competitive solicitation its bid shall be presumed to be collusive and the recommended contractor shall be ineligible for award unless that presumption is rebutted by presentation of evidence as to the extent of ownership, control and management of such related parties in the preparation and submittal of such bids or proposals. Related parties shall mean bidders or proposers or the principals, corporate officers, and managers thereof which have a direct or indirect ownership interest in another bidder or proposer for the same agreement or in which a parent company or the principals thereof of one (1) bidder or proposer have a direct or indirect ownership interest in another bidder or proposer for the same agreement. Bids or proposals found to be collusive shall be rejected.

By: _____ 20 ____
Signature of Affiant Date

Printed Name of Affiant and Title Federal Employer Identification Number

Printed Name of Firm

Address of Firm

SUBSCRIBED AND SWORN TO (or affirmed) before me this _____ day of _____, 20____

He/She is personally known to me or has presented _____ as identification.
Type of identification

Signature of Notary

Serial Number

Print or Stamp Name of Notary

Expiration Date

Notary Public – State of _____

Notary Seal

FAIR WAGE AFFIDAVIT



Carlos A. Gimenez, Mayor

FAIR WAGE AFFIDAVIT

Before me, the undersigned authority appeared _____
(PRINT NAME)
the _____ of _____,
(PRINT TITLE) (PRINT NAME OF BIDDER OR PROPOSER)
who attests that _____ shall pay workers on
(PRINT NAME OF BIDDER OR PROPOSER)
the project minimum wage rates in accordance with Responsible Wages and Benefits,
section 2-11.16 of the Code of Miami-Dade County and the Labor Provisions of the
contract documents.

**State of FLORIDA
County of Miami-Dade**

Sworn to (or affirmed) and subscribed before me this _____ day of _____,
201____.

_____ Personally known or _____ produced identification.

(Signature of Notary Public - State of Florida)
Name of

(Print, Type, or Stamp Commissioned
Notary Public)

Type of identification produced: _____



Contractor Due Diligence Affidavit

**SECTION 3: SUPPLEMENTARY INSTRUCTION TO
BIDDERS**

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

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1. SUPPLEMENTAL BIDDING REQUIREMENTS

1.01 BID FORMS

A. Estimated Quantities.

1. The Bid Form contains estimated quantities that are provided for bidding purposes only. The quantities shown on the Bid Form are approximate and only represent estimated planned requirements based on historical or specific project needs. The County reserves the right to increase, or decrease the quantities, or to delete any of the items for which there is no need throughout the length of the Contract.
2. The County does not guarantee any maximum or minimum quantity, any range of quantities, or the exact quantities shown for each bid item. The County's estimated quantities and the Contractor's bid price will be used to calculate a total bid amount. This total bid amount will then be used to determine the low bidder; however, actual payment under the awarded contract will be based on actual quantities completed.
3. Bid Items which are estimated with a unit quantity of one are anticipated to be use in minimal quantities, if any, as approved by the Engineer. Any Contract provisions pertaining to adjustments in item prices shall not apply. Therefore, no adjustment shall be made to the unit prices awarded as a result of changes to the estimated quantities provided in the Bid Form. Final quantities shall be as approved by the Engineer.

B. Preparation of Proposal.

1. All blank spaces on the Bid Form for bid prices must be filled in ink, in both words and figures. In the event of any discrepancy in the entries for the price of any item, the unit price as shown in words shall govern unless both the extension and the unit prices shown in figures are in agreement with each other, in which case they shall govern over the unit price shown in words.
2. If the Bid is made by an individual, a sole proprietorship or an individual operating under a trade name, the name and post office address of the individual or owner must be shown in each instance. If made by a partnership, the Bid must be signed by one of the partners, and the names and addresses of the partners must be listed. If made by a corporation, the Bid must be signed by an authorized officer or agent of the corporation, the corporation must be clearly identified and the corporate seal must be affixed. In addition, a Bid made by a corporation must also list the name of the state wherein the corporation was chartered and the business address of the corporation.
3. Bids must be submitted only on the hardcopy Bid form provided with these Contract Documents unless a revised Bid Form is provided by the County via Addendum, in which case the latest Bid Form provided by Addendum shall be used.
4. All required forms must be completed and submitted and, all blanks must be filled in.

C. Rejection of Irregular Proposals.

1. Bids will be considered irregular, and may be rejected, if they show omissions, alterations of form, additions not called for, conditions or unauthorized alternate bids, or irregularities of any kind; or if the unit prices are obviously unbalanced either in excess of or below a reasonable cost analysis value.

D. Pay Items.

1. Any work not specifically mentioned in the pay items listed in the Proposal, but indicated on the plans and/or specifications, shall be considered as incidental to one or more of the pay items, and no claim for additional compensation will be allowed, and it shall be assumed that the cost therefore is included in the prices for the various items in the Contract.

1.02 BID SECURITY

- A. Simultaneously with the delivery of the Bid to the County, on or before the bid due date, the Bidder must deliver to the County a bid security in the form of a Bid Bond on the form provided in the Bidding Documents or in Cash, in the form of a Certified Check, Cashier's Check or Irrevocable Letter of Credit made payable to the Board of County Commissioners, for an amount equal to no less than five percent of the Total amount Bid. Failure to furnish a bid security in the proper form and amount, with the delivery of the Bid to the County, shall result in the Bid being declared "non-responsive."
- B. A Bid Bond shall have as the surety thereon only such surety company or companies that are acceptable to the County and are authorized to write bonds of such character and amount in accordance with the qualifications established for Payment and Performance Bonds.
- C. The bid security submitted with the Bid becomes payable to the County upon default of the Bidder. Default of Bidder shall occur in the event that the Bidder withdraws Bid within 180 days after bid opening (or any extension thereof agreed to in writing by the Bidder and County); or, after proper notification of intent to Contract from the County, fails to comply with all pre-award requirements including, but not limited to providing Payment and Performance Bonds with good and sufficient surety and the necessary Insurance Certificates pursuant to the Contract Documents, and enter into a written Contract with the County, as may be required; all within 10 days after the prescribed forms are presented to Principal for signature or as otherwise required by these Bidding Documents.

1.03 CERTIFICATION PURSUANT TO ACT RELATING TO SCRUTINIZED COMPANIES

- A. By submitting a bid executed through a duly authorized representative, the bidder certifies that the bidder is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, as those terms are used and defined in sections 287.135 and 215.473 of the Florida Statutes. In the event that the bidder is unable to provide such certification but still seeks to be considered for award of this solicitation, the bidder shall, on a separate piece of paper, clearly state that it is on one or both of the Scrutinized Companies lists and shall furnish together with its bid a duly executed written explanation of the facts supporting any exception to the requirement for certification that it claims under Section 287.135 of the Florida Statutes. The bidder agrees to cooperate fully with the County in any investigation undertaken by the County to determine whether the claimed exception would be applicable. The County shall have the right to terminate any contract resulting from this solicitation for default if the bidder is found to have submitted a false certification or to have been placed on the Scrutinized Companies for Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

1.04 COMMUNITY SMALL BUSINESS ENTERPRISE PROGRAM

- A. CSBE Make-up Plan

1. A contractor that failed to meet an established Community Small Business Enterprise (CSBE) goal on any contract must submit a CSBE Make-up Plan for approval by the Miami-Dade County Internal Services Department, Small Business Development Division (SBD).
2. The CSBE Make-up Plan along with a corresponding Schedule of Intent Affidavit (SOI) must be included with the Bid submittal at the time of bid. The corresponding SOI must identify all CSBE firms to be utilized to meet the first tier subcontractor goal and the trade designation of work that each firm will perform in satisfaction of a make-up, in addition to any other goals that may be applicable.
3. The Department will forward the Make-up Plan and SOI(s) to SBD for compliance review. Bidders who fail to submit the CSBE Make-up Plan and corresponding SOI by the Bid due date and time will be considered "non responsive."

B. Community Small Business Enterprise Program Measures

1. In accordance with Miami-Dade County Ordinance No.'s 97-52 and 97-158; A.O. 3-22, the following CSBE Contract Measures have been established for this Project:
 - a. Trade Set-Aside #1: Traffic Stripes and Markings: Painted and/or Thermoplastic
 - b. Trade Set-Aside #2: Concrete – Sidewalks and/or Curb and Gutter

The SBD Review Committee Project Worksheet is located in Appendix "C" to the Supplementary Conditions. Compliance with the CSBE provisions is required for all Bidders.

2. In accordance with Sections 2.20 and 2.26 (E) of CICC 7360-0/08 this Project is considered a single trade or primarily single trade project. None of the primary trade related work shall be subcontracted. Only ancillary work required to complete this Project may be subcontracted with prior approval from the Department and SBD.
3. Bidders must:
 - a. Submit a completed Schedule of Intent Affidavit (SOI) along with the Bid Submittal Package;
 - b. Place the completed SOI(s) on top of the bid package so that it can be readily identified by the Department during the bid opening. A completed SOI must be included for each CSBE subcontractor to be utilized on this Project. All subcontractors must be Certified CSBE firms. Bidders shall refer to the most current SBD CSBE Certification list available at http://www.miamidade.gov/sba/reports_cert_lists.asp.
4. The Department will forward the SOI(s) to SBD for compliance review. Bidders who fail to submit the SOI by the Bid due date and time will be considered "non responsive."

1.05 SITE INVESTIGATION

1. The bidder, by virtue of submitting their bid, acknowledges that they and all their subcontractors have satisfied themselves as to the nature and requirements of similar work to be performed within Miami-Dade County Public Right-of-Ways. The general and local conditions include, but are not restricted to those bearing upon transportation and traffic maintenance; the disposal, handling and storage of materials; access roads to the site; site constraints, restrictions and limitations; the conformation and conditions of the work area; and the character of equipment and facilities needed prior to and during the performance of the Work.

2. Failure on the part of the bidder to completely or properly evaluate any factors of costs prior to bidding shall not form a basis for additional compensation if awarded the Contract.

1.06 CONTRACTOR QUALIFICATION REQUIREMENTS

A. Certificate of Competency Requirement:

1. Include with the bid submittal package, copies of certifications and documentation that demonstrate that at the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation Documents, the Bidder holds a valid, current, and active:
 - a. Certificate of Competency from the County's Construction Trades Qualifying Board as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include paving engineering contractor. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified; or
 - b. Pursuant to Section 255.20, F.S. and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed Contractor in good standing that has been prequalified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this Paragraph shall submit along with the bid submittal package for review and consideration, current copy(ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptable FDOT prequalification(s) necessary to perform the Work specified in the Contract Documents include the Flexible Paving Work Class.

1.07 AWARD OF CONTRACT

- A. The award of the Contract, if it be made in the County's sole discretion, shall be to the lowest responsive and responsible bidder whose bid complies with all of the material terms of this solicitation and is determined to be in the best interest of the County.
- B. A fully executed Notice to Proceed (NTP) Letter constitutes a contract with Miami-Dade County. The County may issue to the Contractor a NTP Letter only when, in the discretion of Miami-Dade County, all conditions for award have been satisfied including, but not limited to, compliance with all of the requirements set forth in the Recommendation for Award letter and the expiration of any applicable protest period. The Contractor must provide the County with the completed and fully executed NTP Letter prior to the date stated in the letter for commencement of the Work. The award is final only upon the County's receipt of a fully executed NTP Letter from the Contractor.
- C. Without limiting the generality of the foregoing, the County may determine that it is in the County's best interest to award the Contract to the next low bidder when the low bidder's existing contractual commitments with the County, in the sole discretion of the County (a) could prevent the timely prosecution of the work requiring competing commitments of site, supervisory or home office personnel, or (b) could present potential conflicts with billing of similar items under existing contracts for similar or related work, or (c) could disfavor competition in the contracting industry in pricing or in the use of personnel or subcontractors.

- D. By submitting a bid, the bidder acknowledges that the County shall have the right to investigate the existence of these factors in determining whether to award the bid, and to evaluate, without limitation, the bidder's outstanding commitments on other awarded contracts, its resources to perform the Work under the Contract, and its past performance.
- E. The County reserves the right to waive any informality in, or to reject any or all bids. Bids from any person, firm or corporation in default upon any agreement with the County will be rejected.
- F. The Bidders should be qualified by experience, financing, and equipment to do the work described in the Contract Documents. The County may require from the apparent lowest responsive and responsible Bidder, as a condition for Award, a list of the major construction equipment that is available to perform all the work required by the Contract. The list shall include all equipment required and available including: quantity; condition; make and model; whether owned or leased; and their present location. Actual proof of ownership (bills of sale or certified proof of a valid lease in the name of the firm submitting the Bid) of the equipment or the ability to secure the equipment prior to Contract Award is required. A visual inspection by the County of the equipment listed shall be facilitated within 10 days of submittal of the aforementioned list. Failure to meet the timeframes and conditions stipulated herein or in the Recommendation for Award may result in the disqualification of the Bidder.
- G. For contracts \$100,000 or greater, it is a condition of award for the successful bidder to submit a signed and completed First Tier Subcontractor / Direct Supplier Listing (Form provided). The Contractor shall not change or substitute subcontractors or suppliers from those listed without written approval from the County.

1.08 PAYMENT AND PERFORMANCE BONDS

- A. Per Resolution R-593-13, no payment and performance bond shall be required for a contract of \$200,000 or less.
- B. For contracts greater than \$200,000, the successful bidder shall submit, within the timeframe stipulated in the Recommendation for Award, duly executed Payment and Performance Bonds, meeting the requirements of Section 255.05, F.S., on the forms prescribed by the Department or in Cash, each in the amount of the total contract price (i.e. the accepted total amount bid plus any contingency and dedicated allowances attributable to the Contract), as security for the faithful performance of this Contract and for the payment of all persons performing labor or furnishing materials in connection therewith. If Cash is used in lieu of the bonds, all terms and conditions stipulated in the bonds shall be just as applicable.
- C. The Performance and Payment Bonds shall have as the surety thereon only such surety company or companies as are acceptable to the County and are authorized to write bonds of such character and amount in accordance with the following qualifications:
 - 1. All bonds shall be written through surety insurers authorized to do business in the State of Florida as surety, with the following qualifications as to management and financial strength according to the latest edition of Best's Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey:

Bond Amount (\$)	Best Rating
500,001 to 1,500,000	B V
1,500,001 to 2,500,000	A VI

2,500,001 to 5,000,000	A VII
5,000,000 to 10,000,000	A VIII
Over 10,000,000	A IX

2. On contract amounts of \$500,000 or less, the bond provisions of Section 287.0935, F.S. shall be in effect and surety companies not otherwise qualifying with this paragraph may optionally qualify by:
 - a. Providing evidence that the Surety has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued.
 - b. Certifying that the Surety is otherwise in compliance with the Florida Insurance Code, and;
 - c. Providing a copy of the currently valid Certificate of Authority issued by the United States Department of the Treasury under ss. 31 U.S.C. 9304-9308.
 3. Surety insurers shall be listed in the latest Circular 570 of the U.S. Department of the Treasury entitled "Surety Companies Acceptable on Federal Bonds", published annually. The bond amount shall not exceed the underwriting limitations as shown in this circular.
 4. For contracts in excess of \$500,000 the provision of Subarticle 2. above will be adhered to plus the company must have been listed for at least three consecutive years, or holding a valid Certificate of Authority of at least 1.5 million dollars and on the Treasury List.
 5. Surety Bonds guaranteed through U.S. Government Small Business Administration or Contractors Training and Development Inc. will also be acceptable.
 6. The attorney-in-fact or other officer who signs performance and payment bonds for a surety company must file with such bond a certified copy of his power of attorney authorizing him to do so. The performance and payment bonds must be counter signed by the surety's resident Florida agent.
- D. The Payment and Performance Bonds must be executed on the forms provided by the Department after the recommendation of award has been made. Failure to do so shall result in the rescission of the contract award recommendation.
 - E. Provide the County with three executed originals of the Payment and Performance Bonds and a letter from the bonding agent granting Miami-Dade County authorization to date the Bonds.
 - F. The Performance Bond or Cash used in lieu of the Performance Bond shall remain in force for five (5) years from the date of final acceptance of the work to protect the County against losses resulting from defects in materials or improper performance of work under the Contract; provided however, that this limitation does not apply to suits seeking damages for latent defects in materials or workmanship, such actions being subject to the limitations found in Section 95.11(3)(c), Florida Statutes.
 - G. The cost of the bond(s) shall be included in the Total Amount Bid. No separate payment will be made for performance and payment bond.
 - H. The required bond(s) shall be written by or through and countersigned by a licensed Florida agent of the surety insurer pursuant to Section 624.425, F.S.
 - I. In the event the Surety on the bond(s) given by the Contractor becomes insolvent, or is placed in the hands of a receiver, or has its right to do business in its State of domicile or the State of Florida

suspended or revoked as provided by law, or in the event of cancellation of the required hands by the Surety, the County shall withhold all payments until the Contractor shall give good and sufficient bond(s) in lieu of the bond(s) executed by such Surety.

1.09 ADDITIONAL INSURANCE TO BE CARRIED BY CONTRACTOR

- A. Subparagraphs 2.9A through 2.9G of the Special Conditions to the CICC 7360-0/08 are deleted and replace with the following:
1. Contractor shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the Contractor or its employees, agents, servants, partners principals or subcontractors. Contractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. Contractor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

The Contractor shall furnish to Miami-Dade County, c/o Miami-Dade County **Department of Transportation and Public Works, 111 NW 1st. Street, Miami Florida 33128**, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

- a. Worker's Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.
 - b. Commercial General Liability Insurance on a comprehensive basis, including Explosion, Collapse and Underground Liability coverage in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**
 - c. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
2. All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:
- a. The company must be rated no less than "A-" as to management, and no less than "Class VII" as to financial strength, by Best's Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to the approval of the County Risk Management Division.
- or
- b. The company must hold a valid Florida Certificate of Authority as shown in the latest "List of All Insurance Companies Authorized or Approved to Do Business in Florida" issued by the State of Florida Department of Financial Services.

3. Certificates will indicate no modification or change in insurance shall be made without thirty (30) days in advance notice to the certificate holder.

NOTE: MIAMI DADE COUNTY CONTRACT NUMBER AND TITLE OF CONTRACT MUST APPEAR ON EACH CERTIFICATE.

CERTIFICATE HOLDER MUST READ: MIAMI-DADE COUNTY
111 NW 1st STREET
SUITE 2340
MIAMI, FL 33128

SECTION 4: SUPPLEMENTAL INFORMATION

SAMPLE PERFORMANCE AND PAYMENT BOND FORM

SURETY PERFORMANCE AND PAYMENT BOND

By this Bond, We _____, as Principal, whose principal business address is _____, as Contractor under the contract dated _____, 20 ____, between Principal and Miami-Dade County for the construction of _____ Project No. _____ (herein after referred to as "Contract") the terms of which Contract are incorporated by reference in its entirety into this Bond and _____, a corporation, whose principal business address is _____ as Surety(are bound to Miami-Dade County (hereinafter referred to as "County") in the sum of _____ (U.S. dollars) \$ _____ for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs all the work under the Contract, including but not limited to guarantees, warranties and the curing of latent defects, said Contract being made a part of this bond by reference, and in the times and in the manner prescribed in the Contract, including any and all damages for delay; and
2. Promptly makes payments to all claimants, as defined in Section 255.05(1), Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the contract; and
3. Pays County all losses, damages, including damages for delay, expenses, costs and attorney's fees, including appellate proceedings, that County sustains because of a default by Principal under the Contract, including but not limited to a failure to honor all guarantees and warranties or to cure latent defects in its work or materials within 5 years after completion of the work under the Contract; and
4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the Contract, including all warranties and curing all latent defects within 5 years after completion of the work under the Contract;

then this bond is void; otherwise it remains in full force.

If no specific periods of warranty are stated in the Contract for any particular item or work, material or equipment, the warranty shall be deemed to be a period of one (1) year from the date of final acceptance by the County. This Bond does not limit the County's ability to pursue suits directly with the Principal seeking damages for latent defects in materials or workmanship, such actions being subject to the limitations found in Section 95.11(3) (c), Florida Statutes.

Any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or the changes does not affect Surety's obligation under this Bond.

SURETY PERFORMANCE BOND (Cont'd)

IN WITNESS WHEREOF, the above bounden parties have caused this Bond to be executed by their appropriate officials as of the _____ day of _____, 20 __.

SAMPLE ONLY

CONTRACTOR

(Contractor Name)

BY:

(President) (Managing Partner or Joint Venture)

(SEAL)

COUNTERSIGNED BY RESIDENT
FLORIDA AGENT OF SURETY:

SURETY:

(Copy of Agent's current
Identification Card as issued by
State of Florida Insurance Commissioner must be attached) By: _____
Attorney-in-Fact

(CORPORATE SEAL)

(Power of Attorney must be attached)

SECTION 5: SUPPLEMENTARY CONDITIONS

SUPPLEMENTARY CONDITIONS
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APPENDIX TO THE SUPPLEMENTARY CONDITIONS

Appendix A: Miami-Dade County Wages and Benefits

Appendix B: Small Business Division, Project Worksheet

Appendix C: Notice of Construction Clearing House Forms A, B and C

Appendix D: Responsible Contractor Affidavit Forms (RTFE 1, RTFE 2, RTF 3, and RTF 4)

1. SUPPLEMENTARY CONDITIONS

1.01 MISCELLANEOUS CONSTRUCTION CONTRACT (7360 PLAN)

- A. These Supplementary Conditions amend or supplement the Miscellaneous Construction Contract (MCC) CICC 7360-0/08 the MCC, 7360 Plan, and other provisions of the Contract Documents as indicated below. All provisions that are not so amended or supplemented remain in full force and effect. All requirements of the Contract Documents, or portions thereof, which are not specifically modified, deleted, or superseded hereby, remain in full effect. The MCC Contract and Plan may also be supplemented elsewhere in the Contract Documents by provisions located in, but not necessarily limited to, Division 1 (General Requirements) of the Contract Specifications.

1.02 APPLICABLE WAGE RATES

- A. Amend Paragraph 2.17 of the CICC 7360-0/08 Miscellaneous Construction Contract by adding the following:
 - 1. The applicable Standard Industrial Classification (SIC) manual code is SIC 16 Highway Construction. The Responsible Wages and Benefits Schedule (Construction Type: Highway) for wages and benefits to be paid for work performed under this Contract will be the schedule in effect on January 1st of the calendar year in which the work is performed. The Responsible Wages and Benefits Schedule in effect at the time of Project Solicitation is provided as Appendix "A" to these Supplementary Conditions. Updated Responsible Wages and Benefits Schedules are available at <http://www.miamidade.gov/smallbusiness/responsible-wages-and-benefits.asp>
 - 2. When a required classification is not listed as a separate class in the County's Responsible Wage rates schedule (e.g. Traffic Signal Technician), Contractor must use Davis-Bacon Wages for said classification.

1.03 CONTINGENCY ALLOWANCE FOR TIME

- A. Paragraph 2.58 of the CICC 7360-0/08 Miscellaneous Construction Contract is hereby amended to provide a Contingency Allowance for time extension not to exceed ten percent of the original Contract Duration pursuant to a written request by Contractor for a time extension for an Excusable Delay, as described in Paragraph 2.58 of the 7360 Miscellaneous Construction Contract, that affects the critical path schedule of the Contract or any previously approved changes. The request must be accompanied by written documentation that supports the justification of a time extension, and is subject to review and concurrence by the department Engineer, or designee. If approved, a Contract Contingency Allowance Expenditure Authorization will be created for execution by all parties. Once executed the time extension will adjust the scheduled completion date. The cumulative total of all Contingency Allowance time extensions shall not exceed ten percent of the original Contract Duration rounded off to the next whole number.

1.04 WEATHER DELAYS

A. Schedule of Anticipated Weather Delay Days

1. The following schedule of average climatic range, based on National Oceanic and Atmospheric Administration (NOAA) normal data (1981-2010 Monthly Normals; GHCN Daily ID: USW00012839; MIAMI INTL AP, FL), will be used as the standard baseline for monthly evaluations of weather delays for this Contract.

Schedule of Anticipated Weather Delay Days												
Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Days	3	4	4	4	7	12	11	13	13	8	4	4

2. The above schedule provides the anticipated number of days each month during which construction activity exposed to weather conditions is expected to be prevented and suspended by cause of adverse weather. Suspension of construction activity for the number of days listed in the schedule, for each month, is included in the Work and is not eligible for extension of Contract Time. The Work Progress Schedule submitted by Contractor must reflect these anticipated adverse weather delays in all weather dependent activities.

B. Extension of Contract Time for Adverse Weather Days In Excess of the Standard Baseline

1. If the basis exists, in accordance with the Conditions of the Contract, for a claim for extension of time, an extension of time on the basis of weather may be granted only for the number of Weather Delay Days in a month that are in excess of the number of days listed above for that month in the Schedule of Anticipated Adverse Weather Delay Days.
2. Adverse Weather Day is defined, for the purpose of this Article, as the occurrence of one or more of the following weather conditions within a twenty-four (24) hour day that prevents scheduled critical path construction activity exposed to weather conditions:
 - a. Precipitation in excess of one-tenth inch (0.10").
 - b. Temperatures that do not rise above that required for the day's construction activity, if such temperature requirement is specified or accepted as standard industry practice.
 - c. Sustained wind in excess of twenty-five (25) miles per hour.
3. Adverse Weather Day may include "dry-out" days, resulting from precipitation that occurs beyond the Anticipated Weather Delay Days for the month, only if there is a hindrance to site access or sitework and Contractor has taken all reasonable accommodations to avoid such hindrance; and, at a rate no greater than 1 make-up day for each precipitation day (or consecutive days) that total 1.0 inch or more of precipitation.
4. A Weather Delay Day may be counted by the Engineer, if adverse weather prevents work on the Project for fifty percent (50%) or more of the Contractor's normal scheduled work day and critical path construction activities were included in the day's schedule, including a weekend day or holiday approved by the Engineer with construction activity scheduled that day.
5. No additional compensation will be made for weather delays.

C. Contractor Documentation and Submittals

1. Organize claim to facilitate evaluation by calendar month and submit in accordance with the claims submittal requirements of the Contract Documents. Documentation is required for each Adverse Weather Day that results in a Weather Delay. Identify the number of days claimed for the month that exceeds the Schedule of Anticipated Adverse Weather Delays. Documentation must include:
 - a. Daily jobsite work logs showing which and to what extent critical path construction activities have been affected by adverse weather.
 - b. Daily weather data, obtained from the nearest NOAA weather station or other independently verified source approved by Engineer at beginning of the Project, to support claim for time extension. NOAA Global Historical Climatology Network (GHCN) Daily data may be obtained from the NOAA website at <http://www.ncdc.noaa.gov/cdo-web/search>.
2. If an extension of Contract Time is appropriate and approved by the Department, such extension will be made in accordance with the requirements of the Contract Documents.

1.05 ADDITIONAL FUNDING SOURCE PROVISIONS

- A. Funds for this Project may be People's Transportation Plan (PTP), General Obligation Bond (GOB) or federally funded. Contractor must comply with the requirements of the funding source of this Contract.

1.06 ADDITIONAL SBE-CONST CONTRACT MEASURE REQUIREMENTS

- A. In accordance with Miami-Dade County Ordinance No.'s 97-52, 14-98, and 97-158; A.O. 3-22, a Small Business Enterprise-Construction (SBE-CONST) Contract Measure has been established for this Project. SBD Worksheet can be found under Appendix "B" to these Specifications. Contractor must comply with the requirements of the Internal Services Department, Small Business Development Division (SBD) Small Business Enterprise-Construction Program (SBE-CONST) Participation Provisions and Small Business Enterprise Goods and Services (SBE-GS). A current copy of the provisions may be obtained at <http://www.miamidade.gov/business/business-certification-programs.asp>.
- B. Unless waived by majority vote of the Miami-Dade Board of County Commissioners, Contractor must comply with the following provisions for all contracts where a SBE-CONST subcontractor goal(s) is established for SBE-CONSTs to perform and achieve said goals:
 1. No SBE-CONST firm entering into a subcontract for \$200,000 or less shall be required to execute and deliver a payment and performance bond as a condition of executing such subcontract or performing the work unless, in the case of a subcontract, the prime contractor has requested from the County, and the County has approved prior to the execution of the subcontract, such request based on information submitted by the prime contractor. Such information shall include, but not be limited to, the following: (1) subcontractor's prior work history; (2) subcontractor's number of years in business; (3) scope of work; (4) conditions affecting the work; (5) value of the subcontract; (6) schedule considerations; (7) subcontract terms; and (8) any other factors that may affect risk.
 2. Upon the mutual agreement between the prime contractor and SBE-CONST, the SBE-CONST may be paid up to five percent (5%) of the value of the subcontract, exclusive of contingencies, in advance, upon written evidence reasonably satisfactory to the Internal Services Department, Small Business Development Division ("SBD") of the SBE-CONST's imminent expenditure of those funds for mobilization directly related to the work. Such written evidence may include,

but is not limited to, executed contracts, purchase orders, and invoices, and must be submitted to SBD and the contracting department.

3. Upon mutual agreement between the prime contractor and SBE-CONST subcontractor and prior approval by SBD, provided that (i) the SBE-CONST subcontractor is not in breach of its payment and performance obligations under the subcontract, and (ii) the SBE-CONST subcontractor is responsible for the negotiation and purchase of materials, the prime contractor shall pay directly for the purchase of any material to be incorporated in the work which is the object of the SBE-CONST's subcontract. Such direct payment shall be made by dual party check made payable to the material supplier and the SBE-CONST subcontractor and shall be credited against the prime contractor's payment obligations under the subcontract and credited against the agreed items in the schedule of values where the materials were used.
4. The retainage withheld from payments to SBE-CONST subcontractor(s) shall not exceed 5 percent (5%), after fifty percent (50%) completion of the work and materials under the SBE-CONST subcontractor(s) contract. Any and all amounts withheld in retainage under a SBE-CONST's subcontract shall be paid in full upon satisfactory completion and acceptance of the SBE-CONST's work in compliance with its subcontract within the same number of days that the County has mandated as the billing cycle for said contract in operation, or within forty (40) calendar days of submittal of such billing(s) by the SBE-CONST subcontractor(s) to the prime contractor, whichever is less, regardless of whether the prime contractor has received payment from the County.
5. Within five (5) working days of the prime contractor becoming aware of a performance problem with a SBE-CONST, the prime contractor shall notify the SBE-CONST of such problem, in writing and with sufficient specificity to allow the SBE-CONST to identify and redress the problem, and shall allow the SBE-CONST a reasonable cure period. Disputes between the prime contractor and any SBE-CONST shall be submitted to SBD for expedited alternative dispute resolution.
6. A prime contractor shall not require of any SBE-CONST more than the minimum insurance coverage (\$300,000 General Liability, \$300,000 Automobile and Worker's Compensation in accordance with state law) unless the prime contractor has requested from the County, and the County has approved prior to the execution of the subcontract, such request based on information submitted by the prime contractor. Such information shall include, but not be limited to, the following: (1) work discipline covered by the subcontract; (2) subcontractor's prior work history; (3) subcontractor's number of years in business; (4) scope of work; (5) conditions affecting the work; (6) value of the subcontract; (7) schedule considerations; (8) contract terms; and (9) any other factors that may affect risk.

1.07 COMMUNITY WORKFORCE PROGRAM

- A. In accordance with Miami-Dade County Code §2-1701 and amended by Ordinance No. 13-66, this Contract has a 10% Community Workforce Program (CWP) Goal. Contractor is required to comply with CWP Participation. Additional information is available at the County's website at <http://www.miamidade.gov/smallbusiness/community-workforce-program.asp>.
- B. Contractor must submit a Workforce Plan to the Miami-Dade County Internal Service Department, Small Business Development Division through the Department (via the Engineer) within 15 days from the Notice to Proceed. The Workforce Plan form along with instructions on how to complete the Workforce Plan can be obtained in the County's website at <http://www.miamidade.gov/smallbusiness/business-development-forms.asp>.

1.08 CLEARINGHOUSE FOR POSTING NOTICE OF JOB OPPORTUNITIES

- A. Pursuant to Miami-Dade County Resolution R-1145-99, Contractor must post a notice of job opportunities with the Miami-Dade County Job Clearinghouse (JCH) within ten (10) business days of the contract award or no later than five (5) business days after start of construction. If job opportunities are available, complete all portions of the Notice of Construction Clearinghouse Job Opportunity form (Form B). If no job opportunities are available, complete a JCH Affidavit- No Notice(s) of Construction Job Opportunities form (Form C). Submit the completed Form B or C (with copies to the Engineer) to:

Miami-Dade County Internal Service Department
Small Business Development Division
Project Review and Analysis Section
Attention: Job Clearinghouse
111 NW 1st Street, 19th floor
Miami, Florida 33128
Telephone: (305) 375-3111 Fax (305) 375-3160

- B. Job applicants interested in posting an application for employment to be considered by contractors with job openings may complete a JCH Construction Clearinghouse Job Application (Form A) and submit it to the address provided in the Form.
- C. The necessary forms are provided as Appendix "C" to these Supplementary Conditions. Additional information pertaining to the Miami-Dade County Job Clearinghouse is available in the County's website at <http://www.miamidade.gov/sba/about-us-job-clearinghouse.asp>.

1.09 RESIDENTS FIRST TRAINING AND EMPLOYMENT PROGRAM COMPLIANCE

Except where state or federal laws or regulations mandate to the contrary, all contractors and subcontractors of any tier performing on a County Construction Contract shall satisfy the requirements of this Article.

- A. In accordance with Section 2-11.17 of the Code of Miami-Dade County and Implementing Order No. 3-61 (copies attached or online at <http://www.miamidade.gov/smallbusiness/business-development-legislation.asp>), all contractors and subcontractors of any tier on (i) construction contracts valued in excess of \$1 million for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of \$1 million for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land shall comply, if applicable, with the following:

1. Bidders must:

- a. Submit a completed Responsible Contractor Affidavit (Form RTFE 1), along with the Bid Submittal Package. The Responsible Contractor Affidavit shall verify the following:
- 1) Prior to working on the project, all persons employed by the contractor on the project to perform construction have completed the OSHA 10-hour safety training course, and

- 2) Contractor will make its best reasonable efforts to have 51 percent of all construction labor hours performed by Miami-Dade County residents. County residents employed in furtherance of the goal set forth in the County's Community Workforce Program (CWP) shall be counted towards the 51% goal.
 - b. In the event that form RTFE 1 is not submitted along with the bid package, the County will provide a notice that the bidder has 48 hours from the time of notification to submit the form or their bid or proposal will be deemed nonresponsive and disqualified.
2. Prior to the issuance of a Notice to Proceed, contractors must also submit the following:
 - a. A Construction Workforce Plan (Form RFTE 2) and supporting documentation;
 - b. A list of all subcontractors to be used on the project;
 - c. A Responsible Subcontractor Affidavit (Form RFTE 1) for each subcontractor; and
 - d. A list of all employees currently employed by the contractor.
3. Submit OSHA Safety Training Affidavit (Form RFTE 3) with all certified payrolls.
4. Submit a Workforce Performance Report (Form RFTE 4) within 30 business days of completion of the Project.
5. Any lessee shall include requirements of Section 2-11.7 of the Code of Miami-Dade County and Implementing Order No. 3-61, including the right of the County to access the contractor's and subcontractors' records to verify compliance, in any contract, subcontract, or sublease. Lessee shall be responsible to the County for payment of compliance monitoring costs and any penalties found due.
6. Forms RFTE 1, RFTE 2, RFTE 3, and RFTE 4 are included under Appendix "D" to these Supplemental Conditions.

1.10 ACCEPTANCE TESTS

- A. Replace Article 2.89 of the CICC 7360-0/08 Miscellaneous Construction Contract with the following:
- B. When Contractor informs Engineer that the Work is ready for inspection and testing, Engineer may request, from a County approved laboratory, the tests necessary to confirm that the required material, compaction, or work specifications are met. If the results of the tests reveal that the applicable specifications have not been met, Contractor, without additional compensation, must perform, to the satisfaction of Engineer, all work necessary to meet the applicable specifications and is responsible for the costs of all re-testing required by Engineer and the Contract Documents.
- C. The Department will pay the laboratory for the first test (pass or fail); any re-testing will be the responsibility of Contractor. The Department will only pay for re-testing when authorized, in writing, by Engineer.
- D. Contractor must comply with the conditions of the agreement between Miami-Dade County and Laboratory.

1.11 MIAMI-DADE COUNTY'S USER ACCESS PROGRAM (UAP).

- A. On November 5, 2013 the Board of County Commissioners adopted Ordinance No. 13-103 eliminating the construction contract exemption to the User Access Program set forth in Section 2-8.10 of the Code of Miami-Dade County with the exception of Miscellaneous Construction Contract Program contracts with a total contract value of less than \$500,000. Ordinance No. 13-103 retained the other exemptions listed in Section 2-8.10 of the Code including an exemption for contracts "funded with any funding source, including federal, which prohibits or restricts the application of the credit to the County effected in the UAP." As bond funding would be a funding source "which prohibits or restricts the application" of the UAP, construction contracts funded by bond proceeds (e.g., General Obligation Bond (GOB), People's Transportation Plan (PTP)) remain exempt from the application of the County's User Access Program.
- B. If applicable, this Contract is subject to a user access fee under the County's User Access Program (UAP) in the amount of two percent (2%) pursuant to Miami-Dade County Budget Ordinance No. 03-192. All construction services provided under this contract are subject to the 2% UAP. This fee applies to all Contract usage whether by County Departments or by any other governmental, quasi-governmental or not-for-profit entity. From every payment made to the Contractor under this contract (including the payment of retainage), the County will deduct the two percent (2%) UAP fee provided in the ordinance and the Contractor will accept such reduced amount as full compensation for any and all deliverables under the contract. The County shall retain the 2% UAP for use by the County to help defray the cost of its procurement program. Contractor participation in this pay request reduction portion of the UAP is mandatory.

1.12 EMPLOYMENT ELIGIBILITY VERIFICATION

- A. By entering into this Contract, the Contractor affirms its enrollment and participation in the Federal work authorization program known as "E-Verify", web address <https://e-verify.uscis.gov/enroll> operated by the United States Citizenship and Immigration Services Bureau of the United States Department of Homeland Security, to verify information under the terms governing use of the system.
- B. The Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of:
 - 1. All persons employed by the Contractor during the term of the Contract to perform employment duties within Florida; and
 - 2. All persons, including subcontractors, assigned by the Contractor to perform work pursuant to the Contract.
- C. The Contractor shall also be responsible for entering into an agreement, with each and every vendor and subcontractor, that states that the vendor or subcontractor (and their vendors) is independently responsible for its own employment decisions, including hiring, disciplinary and termination decisions; and is participating in the "E-Verify" program to confirm, under the terms governing use of the system, the employment eligibility of all persons assigned to perform work or provide materials and services in support of this Contract.
- D. Miami-Dade County reserves the right, at any time, to request supporting documentation, as evidence of services provided and demonstration of compliance with the above requirements.

1.13 NONDISCRIMINATION

- A. During the performance of this Contract, Contractor agrees to not discriminate against any employee or applicant for employment because of race, color, religion, ancestry, national origin, sex, pregnancy, age, disability, marital status, familial status, sexual orientation, gender identity or gender expression, status as victim of domestic violence, dating violence or stalking, or veteran status, and on housing related contracts the source of income, and will take affirmative action to ensure that employees and applicants are afforded equal employment opportunities without discrimination. Such action shall be taken with reference to, but not limited to: recruitment, employment, termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on the job training.
- B. By entering into this Contract, the Contractor attests that it is not in violation of the Americans with Disabilities Act of 1990 (and related Acts) or Miami-Dade County Resolution No. R-385-95. If the Contractor or any owner, subsidiary or other firm affiliated with or related to the Contractor is found by the responsible enforcement agency or the County to be in violation of the Act or the Resolution, such violation shall render this Contract void. This Contract shall be void if the Contractor submits a false affidavit pursuant to this Resolution or the Contractor violates the Act or the Resolution during the term of this Contract, even if the Contractor was not in violation at the time it submitted its affidavit.

1.14 CONTRACTOR DUE DILIGENCE AFFIDAVIT

- A. In accordance with Board of County Commissioners Resolution 63-14, Contractor, as a condition of award, must submit Contractor Due Diligence Affidavit Form on any contract that exceeds \$1 million, or that is otherwise subject to Board approval.
 - 1. Affidavit is attached in Section 2 of these Solicitation Documents and must be included in the solicitation package. Form requires that Contractors attest to the following under oath:
 - a. All of the lawsuits that have been filed against that entity, its directors, partners, principals, and/or board members, based on breach of contract by that entity in the five years prior to bid or proposal submittal, including the case name and number and the disposition of the case;
 - b. Any instances in the five years prior to bid or proposal submittal where that entity has been defaulted and a brief description of the circumstances; and
 - c. All of the instances in the five years prior to bid or proposal submission where that entity has been debarred or received a formal notice of non-compliance or non-performance, such as a notice to cure or a suspension from participating or bidding for contracts, whether related to Miami-Dade County or not.
- B. It is the responsibility of the Contractor to return the fully executed Affidavit at the time of bid or proposal submittal. This affidavit will be used as an additional measure of due diligence prior to award of a contract.

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 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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CARPENTERS

Carpenters	\$ 22.50	\$ 4.00	\$ 3.00	\$ 29.50
Foreman (5 or more workers)	24.30	4.00	3.00	31.30
Foreman (12 or more workers)	25.20	4.00	3.00	32.20
General Foreman	26.10	4.00	3.00	33.10

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

1st 6 month period	\$ 13.95	\$ 4.00	\$ 3.00	\$ 20.95
2nd 6 month period	15.08	4.00	3.00	22.08
3rd 6 month period	16.20	4.00	3.00	23.20
4th 6 month period	17.33	4.00	3.00	24.33
5th 6 month period	18.45	4.00	3.00	25.45
6th 6 month period	19.58	4.00	3.00	26.58
7th 6 month period	20.70	4.00	3.00	27.70
8th 6 month period	21.83	4.00	3.00	28.83

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

Forms

The fabrication and re-fabrication of all forms and dismantling of forms when they are to be reused. This includes removable corrugated metal forming systems and all other patented forming systems. When power rigging is used in the setting or dismantling of forms, and the necessary false work, all handling, rigging and signaling. The setting, leveling and aligning of all templates for anchor bolts for structural members, machinery, and the placing, leveling, bracing, burning and welding for all bolts. The installation of embedded materials where attached to forms and/or embedded materials for machinery. Framing in connection with the setting of bulkhead; fabrication of screeds and stakes for floors and form for articles. The handling of lumber, fabricated forms and form hardware installed by carpenters. The building and moving of all scaffolding for runways and staging. The cutting or framing of openings for piles, conduit, ducts, when they pass through floors, partitions or forms. All rigging, setting, aligning and hand signaling when setting up pre-cast units.

Railing

The installation of all construction of temporary guardrails, barricades and /or safety devices. The unloading, handling, distribution, installation and backing necessary for all aluminum, vinyl, plastic or wood handrails and guardrails.

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ELECTRICAL WORKERS

Journeymen:

Wiremen	\$ 30.61	\$ 6.35	\$ 4.29	\$ 41.25
Cable Splicer	31.11	6.35	4.36	41.82
Welder	31.11	6.35	4.36	41.82
Foremen (2)	33.67	6.35	4.71	44.73
General Foremen (22 or more Journeymen)	36.73	6.35	5.14	48.22

For projects awarded or bid prior to January 1, 2014 where the electrical portion of the contract is less than \$2 million.

Wiremen	\$ 27.15	\$ 5.85	\$ 3.53	\$ 36.53
Foremen (2)	29.87	5.85	3.88	39.60
General Foremen (22 or more Journeymen)	32.58	5.85	4.24	42.67

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

First year	\$ 14.73	\$ 4.22	\$ 2.06	\$ 21.01
Second year	15.57	4.22	2.18	21.97
Third year	17.24	4.22	2.41	23.87
Fourth year	18.90	4.22	2.65	25.77
Fifth year	22.96	4.22	3.21	30.39

Add \$1.00 per hour to the per hour wage rate for Journeymen working in high hazardous locations.

Traffic Signalization Work Only (DAVIS BACON GENERAL DECISION NUMBER FL150221 01/09/2015)

Traffic Signal Installer	\$ 19.07	\$ -	\$ -	\$ 19.07
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(1) Per hour health benefit includes hospitalization, medical, and life insurance.

(2) On any job where three (3) Journeyman are employed, one shall be designated foreman. One (1) additional Journeyman shall be designated foreman if there are 10-14 Journeyman, and one (1) additional for 15-21 Journeyman.

Scope of work under this trade includes but is not be limited to: installation, inspection, operation, maintenance, service, repair, testing or retrofit of all energized and de-energized electrical power and communications conductors, electrical materials, electrical devices and electrical power distribution equipment, or a part of there which generates, transmits, transforms or utilize electrical energy in any form AC or DC voltages for heat, light or power used in the construction, alteration, temporary power, maintenance, service and repair of public and private premises including building, floating buildings, structures, bridges, street, highway and tunnel work including all signaling, shafts, dams or levees, river and harbor work, airports, mobile homes, recreational vehicles, yards, lots, parking lots, carnivals, tradeshow, events and industrial substations, The installations of electrical conductors and electrical distribution equipment that connect to the supply of electricity, installations used by an electric utility that are not an integral part of a generating plant, substation or control center and all electrical raceways of whatever form for electrical and communications conductors and fiber optics.

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ELECTRICAL WORKERS, Continued

As related to an electrical system in its entirety, the chasing, channeling, opening and closing of places above and below ground, placement, installation or temporary installation, erection, inspection, operation, welding, maintenance, service, repair, testing or connection of any electrical conductors, electrical lighting fixtures, appliances, instrumentation apparatus, raceway systems, conduit systems, pipe systems, underground systems, cable tray systems, grounding, bonding systems, lightning protection systems, power-generating green technology systems or other systems of renewable energy including but not limited to photovoltaic, solar, wind turbine, hydro-generation, geothermal or tidal systems, electric vehicle technology, electrical power conductors and communications conductors for energy management systems, electrical power conductors and communications conductors for building automation systems, railroad, signalman, maintainer and railroad communication, nuclear, or the erection, alteration, repair, modification, splicing, termination of electric transmission lines on private property, structured cabling systems for transmission of voice, data, video, notification, warning systems, smoke and fire alarm systems, other life safe safety and security systems and appurtenances.

The installation of electrical lighting, heating and power equipment, fiber optics, and the installation and connecting of all electronic equipment, including computing machines and devices, monitoring of radiation hazards where such monitoring work is not preempted or performed by an electrical utility, the installation of all temporary power and light wiring, high-voltage cable splicing and terminations, breaker testing and the commission and decommission of electrical control systems. Clean, service, repair, replace, operate and adjust high and low voltage switchgear; transformers, conductors, connectors, breakers, fuses and buses. Operations, maintenance and repair of high voltage electrical power connections, circuit protection devices and associated switchgear.

APPRENTICE RATIO: Two (2) Apprentices to (1-3) Wiremen, Cable Splicer or Welders.

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ELECTRICAL WORKERS (ELECTRIC SIGN)

Journeyman:

Wireman	\$ 25.50	\$ 6.35	\$ 3.57	\$ 35.42
Foremen (2)	28.05	6.35	3.93	38.33

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

First Period	\$ 14.39	\$ 4.22	\$ 2.01	\$ 20.62
Second Period	14.39	4.22	2.01	20.62
Third Period	15.20	4.22	2.13	21.55
Fourth Period	16.83	4.22	2.36	23.41
Fifth Period	18.46	4.22	2.58	25.26
Sixth Period	22.58	4.22	3.16	29.96

Add \$2.00 per hour to the per hour wage rate for Journeymen working in high hazardous locations.

- (1) Per hour health benefit includes hospitalization, medical, and life insurance.
- (2) On any job where ten (10) Journeyman are employed, one shall be designated foreman.

Scope of work under this trade includes but is not be limited to: the installation, alteration, dismantling or removing of all illuminated signs, non illuminated signs or displays, whether luminous tube, light emitting diodes, receptacle, plastic, reflector type, plaques and panels. The installation of all interior neo tubing and light emitting diodes for lighting or decorating all secondary conduit work, flashers, timers or other auxiliary equipment, also the steel structures for the support of signs or displays. In the event of billboards or displays not served from an existing building or group of buildings and which in itself is an individual entity, having its own service and meter, all such service conduit meter and secondary conduit. Also covered is the service, maintenance and patrolling of all electrical equipment on signs, displays, and tube lighting after they have been erected and in operation.

APPRENTICE RATIO: Two (2) Apprentices to one to three (1- 3) Wiremen.

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IRONWORKERS

Ironworkers	\$ 24.21	\$ 5.00	\$ 2.78	\$ 31.99
Foreman (2)	26.63	5.00	2.78	34.41
General Foremen (2)	29.05	5.00	2.78	36.83

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

First 6 months - 800 Hrs	\$ 13.35	\$ 5.00	\$ -	\$ 18.35
Second 6 months - 800 Hrs	14.68	5.00	-	19.68
Third 6 months - 800 Hrs	16.02	5.00	-	21.02
Fourth 6 months - 800 Hrs	17.35	5.00	-	22.35
Fifth 6 months - 800 Hrs	18.69	5.00	-	23.69
Sixth 6 months - 800 Hrs	20.02	5.00	-	25.02
Seventh 6 months - 800 Hrs	21.36	5.00	-	26.36
Eighth 6 months - 800 Hrs	22.69	5.00	-	27.69

Per Hour Premiums:

Diving Pay add Journeyman wages plus \$5.00

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Required when 2 or more Ironworkers are employed by one employer. When a crew exceeds 12 or more, another foreman is required. A General Foreman is required if three or more Ironworker Foreman are employed on a job.

Scope of work under this trade includes but is not limited to: erection and installation of all bridges, structural, ornamental, reinforcing, and reinforcing ironwork; which includes but is not limited to the following: reinforcing steel (rebar), post tensioning (cables), structural steel and iron, miscellaneous steel and iron, stairs – joist – decking, curtains and window walls, storefronts – windows, metal doors (manual and electric), glass doors (manual and electric) glass slider doors, screens – fences, tilt walls – precast – stone, space frames – skylights, pre-engineered metal buildings, cladding covers (all types) column covers (all types), towers – cranes – hoists, standing seam metal roofs, handrails – rails (all types), rigging – welding, conveyors – erectors and maintenance, and glazing – caulking – sealants.

APPRENTICE RATIO: 33 1/3% of the work force may be Apprentices/Trainees.

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This classification cannot be used for unskilled employees performing work in other trades OR for employees in other trades that handle their own materials and/or must clean up after their work is performed. Employees must be paid in accordance with the work they perform without regard to skill.

LABORERS

Laborer	\$ 15.00	\$ 3.00	\$ 1.92	\$ 19.92
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Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

1st 6 month period	\$ 12.00	\$ 3.00	\$ 1.92	\$ 16.92
2nd 6 month period	12.75	3.00	1.92	17.67
3rd 6 month period	13.50	3.00	1.92	18.42
4th 6 month period	14.25	3.00	1.92	19.17

Per Hour Premiums:

Laborer Foremen (4 or more laborers) - \$1.00 per hour on top of the highest paid laborers
 General Foreman (15 or more laborers) - \$ 1.50 per hour on top of the highest paid laborers

\$0.50 Mason and Plasterer Tenders, Concrete Placement-Patchmen and Finish Tenders, Scaffold Builders, Strippers and Wreckers, Electric and Air Hammers, Concrete Grinders, Saws, Coring Machines, Nozzle and Hopper and Mixers, Cutting Torch, Hydro Blasting, Chain Saw.

\$2.50 Sidewalk and Curb Form Builders and Setters, Concrete Finish and Repair, Water Sewer and Storm Drain Pipelayers, Asbestos Removal, Hazardous Waste and Lead Removal, Remediation and Handling.

Contracts for the inspection of sewer lines for leakage and damage through the use of Closed Circuit T.V. inspections and the simultaneous sealing of leaks or other damage in the lines as the machine inspects the sewer line is covered under the Responsible Wages and Benefits. Contracts for inspection only are not covered. Workers performing on a Closed Circuit T. V. crew should be classified and paid as laborer. The CCTV Operator should receive the \$2.50 per hour supplement for Water Sewer & Storm Drain Pipelayers. The rate for the Vector Trucks Operator is listed under the Operating Engineers Wage Schedule.

(1) Per hour health benefit includes hospitalization, medical and life insurance.

Asphalt Paving Work Only (DAVIS BACON GENERAL DECISION NUMBER FL150221 - 1/9/15)

Asphalt Raker	\$ 12.31	\$ -	\$ -	\$ 12.31
Asphalt Shoveler	12.31	-	-	12.31
Asphalt Spreader and Distributor	12.31	-	-	12.31

Scope of work includes tending masons, plasterers, carpenters and other building and construction crafts. Tending shall consist of preparation of materials and the handling and conveying of materials. Unloading, handling and distributing of all materials, fixtures, furnishings and appliances from point of delivery to point of installation. Cleaning and clearing of all debris. Ageing and curing of concrete, mortar and other materials.

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This classification cannot be used for unskilled employees performing work in other trades OR for employees in other trades that handle their own materials and/or must clean up after their work is performed. Employees must be paid in accordance with the work they perform without regard to skill.

LABORERS, Continued

Scaffolds - erection, planking and removal.

Excavations and Foundations, Site Preparation and Clearance, Transportation and Transmissions Lines - Excavation for building and all other construction, digging of trenches, piers, foundations and holes, digging, lagging, sheeting, cribbing, bracing and propping of foundations, holes, caissons, cofferdams, dams, dikes, and irrigation trenches, canals and all handling filling and placing of sand bags connected therewith. All drilling, blasting and scaling on the site or along the right of way, as well as all access roads, reservoirs, including areas adjacent or pertinent to the construction site, installation of temporary lines. Preparation and compacting of roadbeds for highway construction and the preparation of trenches, footings, etc. for cross country transmission or underground lines or cables. On site preparation and right-of-way clearance, for construction of any structures or the installation of traffic and transportation facilities such as highways, pipelines, electrical transmission lines, dam sites and reservoir areas, access roads, etc.

Concrete, Bituminous Concrete and Aggregates - Mixing, handling, conveying, pouring, vibrating, gunniting and otherwise placing concrete or aggregates, whether done by hand or other process. Wrecking, stripping, dismantling and handling concrete forms and false work. Placing of concrete or aggregates whether poured, pumped, gunnited, or placed by any other process. All vibrating, grinding, spreading, flowing, puddling, leveling and strike off of concrete aggregates by floating rodding or screeding, by hand or mechanical means prior to finishing. The filling and patching of voids, crevices etc. to correct defects in concrete.

Streets, Ways and Bridges - Work in the excavation, preparation, concreting, ramming, curbing, flagging and surfacing of streets, ways, courts, underpasses, overpasses, bridges, approaches, and slope walls and the grading and landscaping thereof. Cleaning, grading, fence or guard rail, installation and/or removal for streets, highways, roadways, apron, runways, sidewalks, parking areas, airports, approaches and other similar installations. Preparation, construction and maintenance of roadbeds and subgrade for all paving, including excavation, dumping and spreading of subgrade material, ramming or otherwise compacting, setting, leveling, and securing or bracing of metal or other road forms and expansion joints, Cutting of concrete for expansion joints. Setting of curb forms and the mixing, pouring, cutting, flowing and strike-off of concrete used therefor. The setting, leveling and grouting of all pre-cast concrete or stone curbs sections. Installation of all joints, removal of forms and cleaning, stacking, loading, oiling and handling. Grading and landscaping in connection with paving work.

Trenches, Manholes, Handling and Distribution of Pipe, etc. - Cutting of streets and ways for laying pipes,, cables or conduits for all purposes; digging of trenches, manholes, etc.; handling and conveying all materials; concreting, backfilling, grading, and resurfacing and all other labor connected therewith.

Sewers, Drains, Culverts and Multiplate - Unloading, sorting, stockpiling, wrapping, coating, treating, handling, distribution and lowering or raising of all pipe and multiplate. All digging, driving of sheet piling, lagging, bracing, shoring and cribbing, breaking of concrete back-filling, tamping, re-surfacing and paving of all ditches in preparation for the laying of pipe. Pipelaying, leveling and making of the joint of any pipe used for main or side sewers and storm sewers, and all pipe for drainage.

Underpinning, Lagging, Bracing, Propping and Shoring; Drilling and Blasting; Signal Men; General Excavation and Grading; Wrecking; and Railroad Track Work.

APPRENTICE RATIO: One (1) Apprentices to three (3) Laborers.

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MILLWRIGHTS, MACHINERY ERECTORS & DIVERS (2)

Millwright, Machinery Erectors	\$ 29.73	\$ 4.00	\$ 8.55	\$ 42.28
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Per Hour Premiums:

\$2.00 Foreman (Required if 2 or more Millwrights on job; no Foreman shall supervise more than 10 Millwrights)

\$3.00 General Foreman (Required if more than one Foreman is required and can serve as a Crew Foreman)

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

1st Year	\$ 19.32	\$ 4.00	\$ 8.55	\$ 31.87
2nd Year	22.30	4.00	8.55	34.85
3rd Year	25.27	4.00	8.55	37.82
4th Year	28.24	4.00	8.55	40.79
Journeyman Divers (2)	\$ 36.02	\$ 4.00	\$ 8.55	\$ 48.57
Diver Foreman	38.02	4.00	8.55	50.57
Diver Foreman (11 or more workers)	40.02	4.00	8.55	52.57
Diver Tenders	32.02	4.00	8.55	44.57

(1) Per hour health benefit includes hospitalization, medical and life insurance.

(2) Diver classification applies to any Millwright that performs work beneath the water surface.

Scope of work under this trade includes but is not limited to: installation, assembly, and, when necessary, dismantling machinery in factories, power plants, and construction sites.

APPRENTICE RATIO: One (1) Apprentice to three (3) Millwrights or Machinery Erectors.

MIAMI-DADE COUNTY
 §2-11.16 CODE OF MIAMI-DADE COUNTY
 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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OPERATORS AND TRUCK DRIVERS (DAVIS BACON GENERAL DECISION NUMBER FL150221 1/09/15)

OPERATORS

Backhoe/Excavator/Trackhoe	\$ 16.24	\$ -	\$ -	\$ 16.24
Bobcat/Skid/Steer/Skid Loader	12.88	-	-	12.88
Boom	18.95	-	-	18.95
Boring Machine	15.29	-	-	15.29
Broom/Sweeper	13.01	-	-	13.01
Bulldozer	16.77	-	-	16.77
Concrete Finishing Machine	15.44	-	-	15.44
Concrete Saw	14.43	-	-	14.43
Crane	22.46	-	-	22.46
Curb Machine	20.74	-	-	20.74
Distributor	13.29	-	-	13.29
Drill	14.78	-	-	14.78
Forklift	16.32	-	-	16.32
Gradall	14.71	-	-	14.71
Grader/Blade	20.22	3.85	-	24.07
Loader	15.53	-	-	15.53
Mechanic	18.03	-	-	18.03
Milling Machine	14.67	-	-	14.67
Oil Distributor	16.32	-	-	16.32
Paver	13.61	-	-	13.61
Piledriver	17.23	-	-	17.23
Post Driver (Guardrail /Fences)	14.45	-	-	14.45
Roller	13.67	-	-	13.67
Scraper	12.01	-	-	12.01
Screed	14.15	-	-	14.15
Striping Machine	15.07	-	-	15.07
Spray Nozzleman	11.16	-	-	11.16
Tractor	12.19	-	-	12.19
Trencher	14.74	-	-	14.74

TRUCK DRIVERS

Distributor	\$ 14.96	\$ 2.17	\$ -	\$ 17.13
Dump Truck	12.19	-	-	12.19
Flatbed Truck	14.28	-	-	14.28
Lowboy Truck	15.07	-	-	15.07
Slurry Truck	11.96	-	-	11.96
Vactor Truck	14.21	-	-	14.21
Water Truck	13.17	1.60	-	14.77

MIAMI-DADE COUNTY
§2-11.16 CODE OF MIAMI-DADE COUNTY
RESPONSIBLE WAGES AND BENEFITS SCHEDULE
2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PAINTERS/WALL COVERING INSTALLATIONS

Painter - Commerical	\$ 15.75	\$ 3.80	\$ 3.38	\$ 22.93
Painter - Industrial	19.50	4.30	3.73	27.53
Painter - Bridge	28.00	4.30	5.60	37.90

Industrial Rates are used on Water Treatment Plants, Pump Stations, Elevated / Ground Storage Tanks and Communication Towers.

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

1st 6 months	\$ 10.24	\$ 3.80	\$ 3.38	\$ 17.42
2nd 6 months	11.03	3.80	3.38	18.21
3rd 6 months	11.81	3.80	3.38	18.99
4th 6 months	12.60	3.80	3.38	19.78
5th 6 months	13.39	3.80	3.38	20.57
6th 6 months	14.18	3.80	3.38	21.36
7th and 8th 6 months	14.96	3.80	3.38	22.14

Per Hour Premiums:

- \$1.00 Chargeperson working up to 5 employees
- \$1.50 Chargeperson working 6 or more employees
- \$1.00 General Foreman above highest paid Chargeperson

Highway/Parking Lot Striping Only (DAVIS BACON GENERAL DECISION NUMBER FL150221 01/09/15)

Painter (Highway/Parking Lot Striper)	\$ 12.13	\$ -	\$ -	\$ 12.13
Operator (Spray Nozzleman)	11.16	-	-	11.16

(1) Per hour health benefit includes hospitalization, medical and life insurance.

Scope of work under this trade includes but is not limited to: preparation, application and removal of all types of coatings and coating systems in relation to all painting, decorating, protective coatings, coating and staining of concrete floors and toppings, waterproofing, masonry restoration, fireproofing, fire retarding, metal polishing, refinishing, sealing, lining, fiber glassing, E-Glass fiberglass, carbon fiber, encapsulating, insulating, metalizing, flame spray, the application of Exterior Insulating Finishing

Each and all such applications, and similar or substitute applications, on all surfaces, interior and exterior, to include, but not to be limited to: residences; buildings; structures; industrial, power, chemical and manufacturing plants; bridges; tanks; vats; pipes; stacks; light and high tension poles; parking, traffic and air strip lines; trucks; automobile and railroad cars; ships; aircraft; and all machinery and equipment;

MIAMI-DADE COUNTY
 §2-11.16 CODE OF MIAMI-DADE COUNTY
 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PAINTERS/WALL COVERING INSTALLATIONS, Continued

Any and all material used in preparation, application or removal of any paint, coatings or applications, including, but not limited to: the handling and use of thinners, dryers, sealers, binders, pigments, primers, extenders, air and vapor barriers, emulsions, waxes, stains, mastics, plastics, enamels, acrylics, epoxies, epoxy injection and T-Lock welding, alkalis, sheet rubber, foams, seamless and tile-like coatings, etc.;

All preparation for and removal of any and all materials for finishes, such as deep cleaning, patching, all levels of finishing, taping/finishing skim coating, pointing, caulking, high pressure water, chemical and abrasive blasting, environmental blasting, wet/dry vacuum work, chemical stripping, scraping, air tooling, bleaching, steam cleaning, asbestos and lead abatement/removal; mold remediation and vapor barrier systems;

The inspection of all coatings and/or coating systems during their applications.

All material applied to walls or ceilings with adhesive, staples, tacks, by stretching or adhered by any other method, including all papers, vinyl, flexible woods, fabrics, borders, metals upholstered wall systems, the fabric covered panels made of plastic/wood or pre-finished products of micro fiberglass, etc., acrovin and various plastic wall coverings such as wainscot, caps, corner moldings and accessories;

Any and all preparation of walls and ceilings such as scraping or any methodology for removal of existing materials, including patching, leveling, skim coating and priming.

APPRENTICE RATIO: One (1) Apprentice to three (3) Painters or Wall Covering Installers.

MIAMI-DADE COUNTY
§2-11.16 CODE OF MIAMI-DADE COUNTY
RESPONSIBLE WAGES AND BENEFITS SCHEDULE
2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PILEDRIVERS, BRIDGE CARPENTERS & DIVERS

Piledrivers and Bridge Carpenters	\$ 24.70	\$ 3.51	\$ 5.85	\$ 34.06
Foreman (10 or less workers)	28.20	3.51	5.85	
Divers (Wet days up to 59' or Dry days)	\$ 29.15	\$ 3.51	\$ 5.85	\$ 38.51
Diver Tender	24.70	3.51	5.85	
Foremen (10 or less) - \$2.00 per hour over the Divers rate				
Foreman (11 or more workers) - \$ 4.00 per hour over the Diver rate				

Diver Wet Days - The diver and tender must receive the diver rate with a premium pay of \$1.00 per hour/ per foot per day for (60'-100'). Over 100' will be

Foreman Wet Days - The foreman must receive the foremen rate with a premium pay of \$2.00 per hour/ per foot per day for (50'-100'). Over 100' will be negotiated between the diver and the employer.

For Effluent Diving (working in hazardous waters such as waste water treatment plant/tanks, sewer pipes or storm water out fall pipes) the diver and tender must receive 1.5 times the diver and tender base rate and on wet days the diver and tender must also receive a premium pay of \$1.00 per foot per day for (60' - 100') and over 100' will be negotiated between the diver and the employer.

Penetration: \$1.00 per foot per day in excess of 20' after entering an enclosed structure that has no direct path to the surface.

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

1st year	\$ 14.82	\$ 3.51	\$ 5.85	\$ 24.18
2nd year	17.29	3.51	5.85	
3rd year	19.76	3.51	5.85	
4th year	22.23	3.51	5.85	

Per Hour Premiums:

\$0.50 Certified Welders

(1) Per hour health benefit includes hospitalization, medical, and life insurance.

Scope of work under this trade includes but is not limited to: all work historically related to piledrivers, welders, drillers, burners, riggers, divers, bridge, deck and wharf builders, signaling, and highway construction. Such work includes, but is not limited to, the following kinds, classes, or descriptions of work: fabricating, erecting, dismantling, loading, unloading, moving, spotting, and handling of all piledriving equipment on the jobsite;

Jobsite moving and spotting of barges used in connection with piledriving work; anchoring, bolting, boom-tending, bracing, building, burning, capping, caulking, cutting, chipping of all types of piles, dismantling, drilling, erecting, fabricating, fitting, handling, lagging, loading, moving, plumbing, rafting, securing, signaling, spotting, welding, wrapping, and tying back, unloading and removing, all materials of any kind, make, shape or composition, whether prestressed or poststressed concrete, pipe, corrugated shell where power rigging is used, sand piles, sheet piles, auger cast type piling, wood, plastic, fiberglass, steel or any metal or synthetic which is used or installed in, or for, the building, construction, alteration, maintenance, or repair of wharfs, bridges, docks, piers, bulkheads, trestles, cofferdams, tunnels, seawalls, seawall caps, boardwalks, deck, and temporary flotation devices;

Pilings used in retaining walls, reservoirs, ditches, canals, spillways, cuts, or in any place where retaining walls are used made of any kind of material, whether temporary or permanent; weights for piers, caissons, and test piles;

MIAMI-DADE COUNTY
 §2-11.16 CODE OF MIAMI-DADE COUNTY
 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PILEDRIVERS, BRIDGE CARPENTERS & DIVERS, Continued

Foundation work, including all piling, whether cast-in-place, poured-in-place, driven, jetted, augered, pre-augered or placed, and all caisson, drilled shaft and vibro-flotation foundations;

The splicing, heading, placing of stringers for frame work, fabrication and placing of wailing, spring and fender lines of any material described above;

The driving, vibrating, jetting, sinking, or screwing of all materials described above, whether by steam, pneumatic, hydraulic, electric, diesel, gravity, or vibratory hammer power; All other work in connection with drilling of any holes, shafts or caissons, for foundation work, spotting, aligning, monitoring, plumbing, and leveling of all drilling equipment whether the drilling is vertical, diagonal, on land or water, and is performed by equipment mounted on trucks, cranes, platforms or barges, or any other kind of mounted or self-contained water or land unit; and the handling, loading, unloading, changing, setting up, repairing, welding, or maintenance of the drilling equipment on the job site.

The fabrication and placing of all decking and guards on all docks, wharfs, and piers on the jobsite.

APPRENTICE RATIO: One (1) Apprentice to three (3) Piledrivers or Bridge Carpenters.

MIAMI-DADE COUNTY
 §2-11.16 CODE OF MIAMI-DADE COUNTY
 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PLASTERERS AND CEMENT MASONS

Light Commercial (Buildings under 5,000 square feet and do not have an elevator)

Interior-Exterior Plasterers	\$ 16.20	\$ 6.20	\$ 2.28	\$ 24.68
Apprentices:				
1st Period	\$ 10.53	\$ 6.20	\$ 2.28	\$ 19.01
2nd Period	11.34	6.20	2.28	19.82
3rd Period	12.15	6.20	2.28	20.63
4th Period	12.96	6.20	2.28	21.44
5th Period	13.77	6.20	2.28	22.25
6th Period	14.58	6.20	2.28	23.06
 Cement Mason & Form Setters	 \$ 16.20	 \$ 6.20	 \$ 2.28	 \$ 24.68
Apprentices:				
1st Period	\$ 10.53	\$ 6.20	\$ 2.28	\$ 19.01
2nd Period	12.15	6.20	2.28	20.63
3rd Period	12.96	6.20	2.28	21.44
4th Period	14.58	6.20	2.28	23.06

Commercial (Buildings over 5,000 square feet or a building with an elevator)

Interior-Exterior Plasterers	\$ 20.75	\$ 6.20	\$ 2.28	\$ 29.23
Apprentices:				
1st Period	\$ 13.49	\$ 6.20	\$ 2.28	\$ 21.97
2nd Period	14.53	6.20	2.28	23.01
3rd Period	15.56	6.20	2.28	24.04
4th Period	16.60	6.20	2.28	25.08
5th Period	17.64	6.20	2.28	26.12
6th Period	18.68	6.20	2.28	27.16
 Cement Mason & Form Setters	 \$ 20.75	 \$ 6.20	 \$ 2.28	 \$ 29.23
Apprentices:				
1st Period	\$ 13.49	\$ 6.20	\$ 2.28	\$ 21.97
2nd Period	15.56	6.20	2.28	24.04
3rd Period	16.60	6.20	2.28	25.08
4th Period	18.68	6.20	2.28	27.16

Industrial (Warehouses and Plants)

Interior-Exterior Plasterers	\$ 23.41	\$ 6.20	\$ 2.50	\$ 32.11
Apprentices:				
1st Period	\$ 15.22	\$ 6.20	\$ 2.50	\$ 23.92
2nd Period	16.39	6.20	2.50	25.09
3rd Period	17.56	6.20	2.50	26.26
4th Period	18.73	6.20	2.50	27.43
5th Period	19.90	6.20	2.50	28.60
6th Period	21.07	6.20	2.50	29.77

MIAMI-DADE COUNTY
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 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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PLASTERERS AND CEMENT MASONS, Continued

Cement Mason & Form Setters	\$ 23.41	\$ 6.20	\$ 2.50	\$ 32.11
Apprentices:				
1st Period	\$ 15.22	\$ 6.20	\$ 2.50	\$ 23.92
2nd Period	17.56	6.20	2.50	26.26
3rd Period	18.73	6.20	2.50	27.43
4th Period	21.07	6.20	2.50	29.77

\$2.00 Foreman above the highest paid Interior-Exterior Plasterers/Cement Mason & Form Setters.

\$4.00 Superintendents above the highest paid Interior-Exterior Plasterers/Cement Mason & Form Setters.

Per Hour Premiums:

\$.50 for operators of the concrete finishing machine, swinging scaffold, laser screeds, curb machine, and/or any

Apprentices:

NOTE: Apprentices will be permitted to work at these rates when they are employed pursuant to and individually registered in a legitimate apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau. In Florida this agency is the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section - <http://www.fldoe.org/workforce/apprenticeship>. Please see page 6 of the Supplemental General Conditions for more information.

(1) Per hour health benefit includes hospitalization, medical and life insurance.

Scope of work shall consist of any and all plastering and Concrete finishing.

Scope of work under the plastering trade includes but is not limited to the application of any type of lathing, scratch and finishing with the entire plastering industry, Stucco, EIFS, Synthetics, etc.

Scope of work under the Cement Mason Finishers trade includes but is not limited to: the set-up and finish of any type of concrete including but not limited to, curb and gutter, steps, man-holes, flatwork, slabs structures, and all types of decorative concrete, including all types of stamp concrete, saw cut designs and color chemical (acid) stains.

APPRENTICE RATIO: Three (3) Apprentices to one (1) Interior/Exterior Plasterers or Cement Mason & Form Setters provided that (1) Apprentice is 4th period or higher.

MIAMI-DADE COUNTY
 §2-11.16 CODE OF MIAMI-DADE COUNTY
 RESPONSIBLE WAGES AND BENEFITS SCHEDULE
 2016

"HIGHWAY CONSTRUCTION"

TRADE/WORK LEVEL CLASSIFICATION	PER HOUR WAGE RATE	PER HOUR HEALTH BENEFIT (1)	PER HOUR PENSION BENEFIT	COMBINED DOLLAR VALUE
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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

For any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract, the required wage rate shall be the combined overall dollar value on an hourly basis of the "basic hourly rate of pay" (as defined in 29 C.F.R. Section 5.24) and of the fringe benefits payments for hospitalization, medical, pension and life insurance for such class under the United States Secretary of Labor's applicable Davis -Bacon wage determination in effect for Miami Dade County.

Questions concerning the comparability of worker classifications or the applicability of Davis-Bacon classification shall be determined by the County.

Please Contact:

**Internal Services Department
 Small Business Development Division
 The Stephen P. Clark Center
 111 N.W. 1st Street - 19th Floor
 Miami, Florida 33128-1906
 Phone Number: (305) 375-3111
 Fax Number: (305) 375-3160**

NOTICE



County Code §2-11.16

NOTICE TO ALL EMPLOYEES WORKING ON COUNTY CONSTRUCTION PROJECTS

RESPONSIBLE WAGES AND BENEFITS

MINIMUM WAGE

You must be paid not less than the required base hourly rate for every hour worked. You may not be paid below the base rate even if the value of the fringe benefits provided to you exceeds the value of the health and pension required in the schedule. Additionally, you must be paid not less than the combined dollar value (Base Rate + Health + Pension Benefit) listed in the schedule posted with this notice for the type of work you are performing as listed on the wage and benefits schedule applicable to this project.

APPRENTICES & TRAINEES

Apprentices/trainees rates apply only to apprentices and trainees properly registered under an approved Federal or State apprenticeship or training program.

SANCTIONS

Sanctions for a first time offender are 10% of the amount of underpayment payable to the County. The sanctions increase to 20% for the second underpayment and 30% for the third underpayment. Contractors found to have underpaid a fourth time may be subject to suspension or termination in accordance with the contract terms and debarment in accordance with the debarment procedures of the County.

COMPLAINTS Written complaints of underpayment should be filed with:

MIAMI-DADE COUNTY
INTERNAL SERVICES DEPARTMENT
SMALL BUSINESS DEVELOPMENT DIVISION
111 NW 1ST STREET, 19TH FLOOR, MIAMI, FLORIDA 33128-1975
TELEPHONE: (305) 375-3111 FAX: (305) 375-3160
WEB PAGE: <http://www.miamidade.gov/business/reports-wages.asp>



Carlos A. Gimenez, Mayor

FAIR WAGE AFFIDAVIT

Before me, the undersigned authority appeared _____
(PRINT NAME)
the _____ of _____,
(PRINT TITLE) (PRINT NAME OF BIDDER OR PROPOSER)
who attests that _____ shall pay workers on
(PRINT NAME OF BIDDER OR PROPOSER)
the project minimum wage rates in accordance with Responsible Wages and Benefits,
Section 2-11.16 of the Code of Miami-Dade County and the Labor Provisions of the
contract documents.

State of FLORIDA
County of Miami-Dade

Sworn to (or affirmed) and subscribed before me this _____ day of _____,
201____.

_____ Personally known or _____ produced identification.

(Signature of Notary Public - State of Florida)
Name of

(Print, Type, or Stamp Commissioned
Notary Public)

Type of identification produced: _____



PAYROLL

(For Contractor's Optional Use; See Instructions, Form WH-347 Inst.)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.



NAME OF CONTRACTOR OR SUBCONTRACTOR ADDRESS OMB No.: 1215-0149
Expires: 03/31/2003

PAYROLL NO. FOR WEEK ENDING PROJECT AND LOCATION PROJECT OR CONTRACT NO.

(1) NAME, ADDRESS, AND SOCIAL SECURITY NUMBER OF EMPLOYEE	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT OR ST.	(4) DAY AND DATE							(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS					(9) NET WAGES PAID FOR WEEK
				HOURS WORKED EACH DAY										FICA	WITH- HOLDING TAX		OTHER	TOTAL DEDUCTIONS	
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We estimate that it will take an average of 56 minutes to complete this collection of information, including time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection of information, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, ESA, U. S. Department of Labor, Room S3502, 200 Constitution Avenue, N. W., Washington, D. C. 20210.

APPENDIX B TO THE SUPPLEMENTARY CONDITIONS

SMALL BUSINESS DIVISION, PROJECT WORK SHEET



Small Business Development Division Project Worksheet

Project/Contract Title: ROADWAY RESURFACING CONTRACT
Project/Contract No: RPQ NO. 20160020
Department: PUBLIC WORKS AND WASTE MANAGEMENT
Estimated Cost of Project/Bid: \$1,966,964.00

Received Date: 02/10/2016

Funding Source: RIF

Resubmittal Date(s):

Description of Project/Bid: Work under this contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required to construct the work in accordance with the contract documents. Work includes but is not limited to the following: Milling and resurfacing, widening and resurfacing of intersecting streets up to the existing joint at the side street, or up to the Point of Curvature (PC) as determined by the Engineer, and/or as indicated on the plans, resurfacing of asphaltic pathways (pedestrian, bicycle, etc.) adjacent or not to the edge of pavement as necessary, temporary utility repairs (cold patches), clearing and excavating of shoulder areas or build-up, as directed by the Engineer, grading and clean-up of adjacent shoulders and removal of roots, as required, pavement markings including the installation of

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Trade Set Aside 2	SBE/CONS	
Trade Set Aside 1	SBE/CONS	
Workforce Goal	CWP	10.00%

Reasons for Recommendation

An analysis of the factors contained in Section VI D of Implementing Order 3-22 indicate SBE-Cons Trade Set-Asides are appropriate as follows:
 Trade Set-Aside #1 - Traffic Stripes and Markings: Painted and/or Thermoplastic.
 Trade Set-Aside #2 - Concrete: Sidewalk and/or Curb and Gutter
 Total Cost: \$2,163,661.29 (\$1,966,964.81 + \$196,696.48) (Base + 10% Contingency)

CWP Work Order Driven

Trade Category: 237310-Highway, Street, And Bridge Construction; 237990-Other Heavy And Civil Engineering Construction; 238110-Poured Concrete Foundation And Structure Contractors; 238190-Other Foundation, Structure, And Building Exterior Contractors; 238320-Painting And Wall Covering Contractors; 238990-All Other Specialty Trade Contractors

Small Business Contract Measure Recommendation

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Painting and Wall Covering Contractors	SBE/CONS			
Highway, Street, and Bridge Construction	SBE/CONS			
Total				

Living Wages: YES NO

Highway: YES NO

Heavy Construction: YES NO

Responsible Wages: YES NO

Building: YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



Small Business Development Division
Project Worksheet

Project/Contract Title: ROADWAY RESURFACING CONTRACT
Project/Contract No: RPQ NO. 20160020
Department: PUBLIC WORKS AND WASTE MANAGEMENT RIF
Estimated Cost of Project/Bid: \$1,966,964.00

Received Date: 02/10/2016

Resubmittal Date(s):

REVIEW RECOMMENDATION
Tier 1 Set Aside
Tier 2 Set Aside
Set Aside Level 1 Level 2 Level 3
Trade Set Aside (MCC) Goal Bid Preference
No Measure Deferred Selection Factor
CWP SBD Director Date 2/12/14

NOTICE OF CONSTRUCTION CLEARINGHOUSE



MIAMI-DADE COUNTY – DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
Job Clearinghouse (JCH)
CONSTRUCTION CLEARINGHOUSE JOB APPLICATION
 Governed by Miami-Dade County Code section 2-1701 and R-1395-05

Section 1. To be completed by Job Applicant. Please print clearly or type

Title of position sought			Contract/Project Number (if applicable)		
Name: Last	First	Middle Initial	Last 4 digits of Social Security #		
Address (Street Name and Number)		Apt.	Home telephone number:		
City	State	Zip Code	Additional Contact Telephone number:		
How long have you resided at the above address: <input type="checkbox"/> less than 12 months <input type="checkbox"/> 1 -5 years <input type="checkbox"/> 6-10 yrs <input type="checkbox"/> more than 10yrs			Address (Street Name and Number) _____ Apt.____ City _____ State _____ Zip Code _____		
Date of Birth ____/____/____ <input type="checkbox"/> Male <input type="checkbox"/> Female			Languages spoken <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Creole <input type="checkbox"/> Other _____		
			Languages you are able to read and clearly understand: <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Creole <input type="checkbox"/> Other _____		
Current Driver's license: <input type="checkbox"/> None <input type="checkbox"/> Operator/Class E <input type="checkbox"/> Commercial/Class ____ <input type="checkbox"/> Chauffeur/Class D					

Have you ever been employed in the construction industry? Yes No If yes, indicate the trade and the years of experience in each trade.

General Laborer ____ months/years of experience Carpentry ____ months/years of experience Electrical ____ months/years of experience
 Mechanical ____ months/years of experience Plumbing ____ months/years of experience Site & Prep Work ____ months/years of experience
 Equipment Operator ____ months/years of experience Painting ____ months/years of experience Sprinkler fitting ____ months/years of experience
 Drywall Finishing ____ months/years of experience Masonry ____ months/years of experience Tile layer ____ months/years of experience
 Landscaping ____ months/years of experience Pipe Fitting ____ months/years of experience Truck Driver ____ months/years of experience
 Roofing ____ months/years of experience _____ ____ months/years of experience

What hours are you available to work? 6am-2pm 7am-3pm 8am- 4pm Any shift Other

What construction trades are you interested in? Same as indicated above Other _____

Applicant's signature _____ Date _____

Section 2 *****FOR SBD USE ONLY*****

Certificates/Licenses: _____

Job References: _____

Title of Position Hired:	Date of Hire:
Duration of Job:	Job Salary (hourly rate):
Employer/Contractor	Contract/Project Number:
Applicant was recruited through: <input type="checkbox"/> Self Recruit <input type="checkbox"/> WDO <input type="checkbox"/> WRO <input type="checkbox"/> WTP	

Submit this application to:
 Attention: Job Clearinghouse
 Miami-Dade County, Department of Small Business Development (SBD)
 Project Review and Analysis Division
 111 NW 1st Street, 19th floor
 Miami, Florida 33128
 Telephone: (305) 375-3111 Fax (305) 375-3160



MIAMI-DADE COUNTY
DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
Job Clearinghouse (JCH)

NOTICE OF CONSTRUCTION CLEARINGHOUSE JOB OPPORTUNITY

Governed by Miami-Dade County Code section 2-1701 and R-1395-05

To be completed by Employer/Contractor. Please print clearly or type

EMPLOYER/CONTRACTOR INFORMATION	
Business Name:	Contract/Project Number
Address (Street Name and Number)	Federal ID#
City	State
	Zip Code
Telephone Number	Fax Number
Contact Person	Email Address
JOB LISTING INFORMATION	
Job Title	Application Deadline
Job Site Location	Number of Openings
Describe Job Duties:	Hourly Rate
Specialized Training:	
Experience Required (Months/Years):	
Specialized machinery or equipment:	
Job Duration: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary/If Temporary, how long? ____ Fringe Benefits? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Education Required: <input type="checkbox"/> None <input type="checkbox"/> H.S Diploma/GED <input type="checkbox"/> AA Degree <input type="checkbox"/> Bachelor's Degree <input type="checkbox"/> Master's Degree	
Certifications/License Required: <input type="checkbox"/> None <input type="checkbox"/> Yes If Yes, please list _____	
Driver's license required: <input type="checkbox"/> None <input type="checkbox"/> Operator/Class E <input type="checkbox"/> Commercial/Class ____ <input type="checkbox"/> Chauffeur/Class D	
Language(s) required: <input type="checkbox"/> English <input type="checkbox"/> Spanish <input type="checkbox"/> Creole <input type="checkbox"/> Other	
APPLICANTS SHOULD CONTACT EMPLOYER BY:	
<input type="checkbox"/> Call for Appointment <input type="checkbox"/> Phone Interview <input type="checkbox"/> Send Resume via: <input type="checkbox"/> Mail <input type="checkbox"/> Fax <input type="checkbox"/> Email	
<input type="checkbox"/> Apply In Person Day of the Week: _____ Time: _____ Application Deadline: _____	

Employer/Contractor must submit this form for all job openings.

Attention: Job Clearinghouse
 Miami-Dade County Department of Small Business Development
 Project Review and Analysis Division
 111 NW 1st Street, 19th floor
 Miami, Florida 33128
 Telephone: (305) 375-3111 Fax (305) 375-3160



JOB CLEARINGHOUSE AFFIDAVIT
Notice of Construction Job Opportunities

PROJECT/CONTRACT NUMBER: _____

Pursuant to Miami-Dade County Resolution No. R-1395-05, there are ___ open position(s) to submit to the Job Clearinghouse for this project at this time. All open positions will be submitted to South Florida Workforce at <https://iapps.southfloridaworkforce.com/jchcwp/>.

(Signature of Affiant)

(Date)

(Printed Name of Affiant, Title, and Firm Name)

(Witness)

Sworn to and subscribed before me this
_____ day of _____ 20, ____

By: _____

Signature of Notary Public

Notary's Name, Printed, Stamped or Typed

Personally Known

Produced ID

Type of ID produced _____

Form C

**Residents First Training and Employment Program
Occupational Safety & Health Administration (OSHA)
10 Hour Safety Training Affidavit - Form RFTE 3**

In accordance with Section 2-11.17 of the Miami-Dade County Code, all contractors and subcontractors of any tier performing on a County Construction Contract, shall satisfy the requirements of the Miami-Dade County Residents First Training and Employment Program which requires: for (i) all persons employed by the contractor to perform construction shall have completed the Occupational Safety & Health Administration (OSHA) 10 Hour safety training course established by the Occupational Safety & Health Administration of the United States Department of Labor

The undersigned verifies that every employee reported on the payroll has completed the OSHA 10 Hour or OSHA 30 Hour Safety Training Course prior to working on the project.

Project Number, Title

Printed Name of Affiant

Printed Title of Affiant

Signature of Affiant

Name of Firm

Date

Address of Firm

State

Zip Code

Notary Public Information

Notary Public – State of _____ County of _____

Subscribed and sworn to (or affirmed) before me this _____ day of, _____ 20____.

by _____ He or she is personally known to me or has produced identification

Type of identification produced _____

Signature of Notary Public

Serial Number

Print or Stamp of Notary Public

Expiration Date

Notary Public Seal

SECTION 6: SPECIFICATIONS

GENERAL REQUIREMENTS

PWWM SPECIFICATIONS
GENERAL REQUIREMENTS
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1. GENERAL REQUIREMENTS

1.01 DEFINITIONS AND TERMINOLOGY

A. General

1. These Specifications are written to the bidders, prior to award of the Contract, and to Contractor.
2. Where sentences directing work or other action appear in the active voice-imperative mood, without a subject, the subject "bidder" or "Contractor" is understood. In any other case where the subject is not clearly understood, Engineer will make a clarification and final determination as to the subject of the action.

B. Governing Regulations and Standard References

1. The following Standards and Governing Regulations, as amended by the Contract Documents, are hereby incorporated by reference:
 - a. Building Code as set forth in Chapter 8 of the Code of Miami-Dade County.
 - b. Public Works Manual of Metropolitan Dade County (Public Works Manual).
 - c. United States Department of Justice's 2010 ADA Standards For Accessible Design
 - d. Miami-Dade County's Traffic Control Equipment Specifications and Standards for The Metro Traffic Control System Miami-Dade County (TCESS).
 - e. Florida Department of Transportation's Design Standards for Design Construction, Maintenance and Utility Operations on the State Highway System (FDOT Design Standards).
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>
 - f. Florida Department of Transportation Standard Specifications for Road and Bridge Construction (Divisions II & III), Special Provisions and Supplemental Specifications
<http://www.dot.state.fl.us/specificationoffice/specs.shtm>
 - g. Florida Department of Transportation Surveying Procedure
<http://www2.dot.state.fl.us/proceduraldocuments/procedures/bin/550030101.pdf>
 - h. Florida Department of Transportation EFB User Handbook (Electronic Field Book)
<http://www.dot.state.fl.us/surveyingandmapping/regulations.shtm>
 - i. Florida Department of Transportation Drainage Manual
<http://www.dot.state.fl.us/rddesign/dr/Manualsandhandbooks.shtm>
 - j. Florida Department of Transportation Soils and Foundations Handbook
<http://www.dot.state.fl.us/structures/manlib.shtm>
 - k. Florida Department of Transportation Structures Manual
<http://www.dot.state.fl.us/structures/manlib.shtm>
- l. Florida Department of Transportation Current Structures Design Bulletins
<http://www.dot.state.fl.us/structures/Memos/currentbulletins.shtm>
- m. Instructions for Design Standards
<http://www.dot.state.fl.us/structures/IDS/IDSportal.pdf>
- n. AASHTO – A Policy on Geometric Design of Highways and Streets
https://bookstore.transportation.org/item_details.aspx?ID=110
- o. Manual on Uniform Traffic Control Devices (MUTCD)
<http://mutcd.fhwa.dot.gov/>
- p. Safe Mobility For Life Program Policy Statement
<http://www2.dot.state.fl.us/proceduraldocuments/procedures/bin/000750001.pdf>
- q. Traffic Engineering and Operations Safe Mobility for Life Program
<http://www.dot.state.fl.us/trafficoperations/Operations/SafetyisGolden.shtm>
- r. Florida Department of Transportation American with Disabilities Act (ADA) Compliance – Facilities Access for Persons with Disabilities Procedure
<http://www2.dot.state.fl.us/proceduraldocuments/procedures/bin/625020015.pdf>
- s. Florida Department of Transportation Florida Sampling and Testing Methods
<http://www.dot.state.fl.us/statematerialsoffice/administration/resources/library/publications/fstm/disclaimer.shtm>
- t. Florida Department of Transportation Flexible Pavement Coring and Evaluation Procedure
<http://www.dot.state.fl.us/statematerialsoffice/administration/resources/library/publications/materialsmanual/documents/v1-section32-clean.pdf>
- u. Florida Department of Transportation Design Bulletins and Update Memos
<http://www.dot.state.fl.us/rddesign/Bulletin/Default.shtm>
- v. Florida Department of Transportation Utility Accommodation Manual
<http://www.dot.state.fl.us/rddesign/utilities/UAM.shtm>
- w. Florida Department of Transportation Flexible Pavement Design Manual
<http://www.dot.state.fl.us/pavementmanagement/PUBLICATIONS.shtm>
- x. Florida Department of Transportation Rigid Pavement Design Manual
<http://www.dot.state.fl.us/pavementmanagement/PUBLICATIONS.shtm>
- y. Florida Department of Transportation Pavement Type Selection Manual
<http://www.dot.state.fl.us/pavementmanagement/PUBLICATIONS.shtm>
- z. Florida Department of Transportation Traffic Engineering Manual
<http://www.dot.state.fl.us/TrafficOperations//Operations/Studies/TEM/TEM.shtm>

- aa. Florida Department of Transportation Bicycle and Pedestrian Policies and Standards
http://www.dot.state.fl.us/safety/ped_bike/ped_bike_standards.shtm
- bb. Federal Highway Administration Hydraulic Engineering Circular Number 18 (HEC 18).
http://www.fhwa.dot.gov/engineering/hydraulics/library_arc.cfm?pub_number=17
- cc. Florida Department of Transportation Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways
<http://www.dot.state.fl.us/rddesign/FloridaGreenbook/FGB.shtm>
- dd. Florida Department of Transportation Project Development and Environment Manual, Parts 1 and 2
<http://www.dot.state.fl.us/emo/pubs/pdeman/pdeman1.shtm>
- ee. Florida Statutes
<http://www.leg.state.fl.us/Statutes/index.cfm?Mode=View%20Statutes&Submenu=1&Tab=statutes&CFID=14677574&CFTOKEN=80981948>
- ff. Miami-Dade County and Local Municipal Ordinances.

2. The above list is not all inclusive and it is the responsibility of Contractor to comply with all applicable requirements whether included in this list or not. Additional project-specific criteria are provided throughout the Contract Documents

3. The above referenced Standards are intended to supplement, not supersede the requirements set forth herein and, unless otherwise noted, the latest revision shall apply. Where differences occur between referenced Standards and these Contract Documents, the more stringent shall apply unless otherwise noted in the Contract Documents or directed by Engineer in writing.

4. FDOT Standard Specifications.

a. FDOT Standard Specifications for Road and Bridge Construction (Divisions II & III), as amended by the Contract Documents, apply to an Article within these Specifications when:

- 1) The applicable FDOT Standard Specification Section (e.g. FDOT SECTION 415) is referenced in the title of the Article; or
- 2) The FDOT Standard Specification section, article, or subarticle is referenced within the Article (e.g. FDOT Section 415, FDOT 415-3; FDOT 415-5.1, etc.)

b. Unless otherwise specified, where page numbers are used in these Specifications to reference modifications to the FDOT Standard Specifications, it shall be understood to reference the 2007 edition.

C. Abbreviations

The following abbreviations, when used in the Contract Documents, represent the full text shown.

- AAN American Association of Nurserymen, Inc.
- AASHTO American Association of State Highway and Transportation Officials

ACI	American Concrete Institute
AGC	The Associated General Contractors of America, Inc.
AGMA	American Gear Manufacturers Association
AIA	American Institute of Architects.
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute, Inc.
APL	FDOT Approved Product List
AREA	American Railway Engineering Association
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
AWPA	American Wood Preservers Association
AWS	American Welding Society
AWWA	American Water Works Association
CFR	Code of Federal Regulations
CRSI	Concrete Reinforcing Steel Institute
DTPW	Miami-Dade County Department of Transportation and Public Works
EASA	Electrical Apparatus Service Association
EPA	Environmental Protection Agency of the United States Government
F.A.C.	Florida Administrative Code
FBC	Florida Building Code
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
FHWA	Federal Highway Administration
FM	Florida Method or Florida Sampling and Testing Method
F.S.	Florida Statutes
FSS	Federal Specifications and Standards
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IMSA	International Municipal Signal Association
IPCEA	Insulated Power Cable Engineers Association
ISO	International Organization for Standards
MDC	Miami-Dade County
MSTCSD	Minimum Specifications for Traffic Control Signals and Devices
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NIST	National Institute for Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NSF	NSF International
OSHA	Occupational Safety and Health Administration
PCA	Portland Cement Association
SAE	Society of Automotive Engineers
SBE-	Small Business Enterprise-Construction
CONST	
SI	International System of Units
SSPC	Society of Protective Coatings
TSSQPL	Traffic Signals and Signs Qualified Products List
UL	Underwriters' Laboratories

D. Definitions

The following terms, when used in the Specifications, have the meaning described.

1. Approved Product List (APL): A listing of approved traffic control signals and devices, and ancillary devices or system equipment that the Department has reviewed for compliance to specifications and authorized for use on the streets and highways of Florida. The APL is available on the Traffic Engineering and Operations web site.
2. Article. The numbered prime subdivision of a Division of these Specifications.
3. Bracing. A temporary structural member(s) placed between beams, girders, piles columns, etc. to provide stability during construction activities.
4. Bridge. A structure, including supports, erected over a depression or over an obstruction such as water, highway or railway, or for elevated roadway, for carrying traffic or other moving loads, and having a length, measured along the center of the roadway, of more than 20 feet between the inside faces of end supports. A multiple-span box culvert is considered a bridge, where the length between the extreme ends of the openings exceeds 20 feet.
5. Calendar day. Every day shown on the calendar, ending and beginning at midnight. Unless otherwise stipulated in the Contract Documents, the term "days" shall be understood as calendar days. In computing any period of time prescribed or allowed by this Contract, the day of the act, event, or default from which the designated period of time begins to run shall not be included. The last day of the period so computed shall be included unless it is a Saturday, Sunday, or legal holiday, in which event the period shall run until the end of the next day which is neither a Saturday, Sunday, or legal holiday. When the period of time prescribed or allowed is less than 7 days, intermediate Saturdays, Sundays, and legal holidays shall be excluded in the computation.
6. Construction Affecting Public Safety. Construction that may jeopardize public safety such as structures spanning functioning vehicular roadways, pedestrian walkways, railroads, navigation channels of navigable waterways and walls or other structure foundations located in embankments immediately adjacent to functioning roadways. It does not apply to those areas of the site under Contractor's control and outside the limits of normal public access.
7. Contract. The term "Contract" means the entire and integrated agreement between the parties thereunder and supersedes all prior negotiations, representations, or agreements, either written or oral. The executed Contract Documents form the Contract between the Department (on behalf of the County) and Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the Work and the basis of payment.
8. Contract Documents. Consists of those items so designated in and inclusive of the executed Contract. Only printed or hard copies of the items listed in the executed Contract Form are Contract Documents.
9. Contract Time. The maximum number of calendar days, including authorized time extensions, allowed for final completion of all Contract work and requirements. Also called Contract Duration.
10. Contract Unit Price. Refers to the Unit Price provided by the Contract that is fixed at time of Contract award.
11. Contractor. The individual, firm, joint venture, or company contracting with the County to perform the Work pursuant to the Contract.
12. Contractor's Engineer of Record.
 - a. A Professional Engineer registered in the State of Florida, other than the Engineer of Record or his subcontracted consultant, who undertakes the design and drawing of components of the permanent structure as part of a redesign, or for repair designs and details of the permanent work. Contractor's Engineer of Record may also serve as the Specialty Engineer.
 - b. Contractor's Engineer of Record must be an employee of a pre-qualified firm. The firm shall be pre-qualified in accordance with the Rule 14-75, F.A.C. Any Corporation or Partnership offering engineering services must hold a Certificate of Authorization from the Florida Board of Professional Engineers.
 - c. As an alternate to being an employee of a pre-qualified firm, Contractor's Engineer of Record may be a pre-qualified Specialty Engineer. For items of the permanent Work declared by the FDOT Construction Office to be "major" or "structural", the work performed by a pre-qualified Specialty Engineer must be checked by another pre-qualified Specialty Engineer. An individual Engineer may become pre-qualified in the work groups listed in Rule 14-75, F.A.C., if the requirements for the Professional Engineer are met for the individual work groups. Pre-qualified Specialty Engineers are listed on the FDOT Construction Office website. Pre-qualified Specialty Engineers will not be authorized to perform redesigns of items fully detailed in the Plans.
13. Contractor Originated Designs. Items which the Contract Documents require Contractor to design, detail and incorporate into the permanent works.
14. Controlling Work Items. The activity or work item on the critical path having the least amount of total float. The controlling item of work will also be referred to as a Critical Activity.
15. County. Miami-Dade County, Florida.
16. Culverts. Any structure not classified as a bridge that provides an opening under the roadway.
17. Department. Miami-Dade County Department of Transportation and Public Works.
18. Engineer. The County Engineer, acting directly or through duly authorized representatives; such representatives acting within the scope of the duties and authority assigned to them.
 - a. Note: In order to avoid cumbersome and confusing repetition of expressions in these Specifications, it is provided that whenever anything is, or is to be done, if, as, or, when, or where "acceptable, accepted, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary,

designated, determined, directed, disapproved, established, given, indicated, insufficient, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory," it shall be understood as if the expression were followed by the words "by Engineer," "by the Engineer," "to the Engineer," or "of the Engineer."

19. Engineer of Record. The Professional Engineer or Engineering Firm registered in the State of Florida that develops the criteria and concept for the project, performs the analysis, and is responsible for the preparation of the Plans and Specifications. The Engineer of Record may be Departmental in-house staff or a consultant retained by the Department. Contractor shall not employ the Engineer of Record as Contractor's Engineer of Record or as a Specialty Engineer.
20. Equipment. The machinery and equipment, together with the necessary supplies for upkeep and maintenance thereof, and all other tools and apparatus necessary for the construction and acceptable completion of the work.
21. Extra Work. Any "work" which is required by Engineer to be performed and which is not otherwise covered or included in the project by the existing Contract Documents, whether it be in the nature of additional work, altered work, deleted work, work due to differing site conditions, or otherwise. This term does not include a "delay".
22. Falsework. Includes any temporary construction work used to support the permanent structure until it becomes self-supporting. Falsework includes steel or timber beams, girders, columns, piles and foundations, and any proprietary equipment including modular shoring frames, post shores, and adjustable horizontal shoring.
23. Formwork. Includes any structure or mold used to retain plastic or fluid concrete in its designated shape until it hardens. Formwork comprises common materials such as wood or metal sheets, battens, soldiers and walers, ties, proprietary forming systems such as stay-in-place metal forms, and proprietary supporting bolts, hangers and brackets. Formwork may be either permanent formwork requiring a shop drawing submittal such as stay-in-place metal or concrete forms, or may be temporary formwork which requires certification by the Specialty Engineer for Construction Affecting Public Safety and for Major and Unusual Structures.
24. Highway, Street, or Road. A general term denoting a public way for purposes of vehicular travel, including the entire area within the right-of-way.
25. Holidays. Days designated by Miami-Dade County as holidays, which include, but are not limited to, New Year's Day, Martin Luther King's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day and the following Friday, and Christmas Day.
26. Inspector. An authorized representative of the Engineer, assigned to make official inspections of the materials furnished and of the work performed by Contractor.
27. Laboratory. The official testing laboratory authorized by the Department.
28. Major and Unusual Structures: Bridges of complex geometry and/or complex design. Generally, this includes the following types of structures:
 - a. Bridges with an individual span longer than 300 feet.
 - b. Structurally continuous superstructures with spans over 150 feet.
 - c. Steel box and plate girder bridges.
 - d. Steel truss bridges.
 - e. Concrete segmental and longitudinally post-tensioned continuous girder bridges.
 - f. Cable stayed or suspension bridges.
 - g. Arch bridges.
 - h. Tunnels.
 - i. Movable bridges (specifically electrical and mechanical components).
 - j. Rehabilitation, widening, or lengthening of any of the above.
29. Major Item of Work. Any item of work having an original Contract value in excess of 5% of the original Contract amount.
30. Materials. Any substances to be incorporated in the work under the Contract.
31. Median. The portion of a divided highway or street separating the traveled ways for traffic moving in opposite directions.
32. Minimum Specifications for Traffic Control Signals and Devices (MSTCSD): The minimum specifications used by FDOT for the evaluation, certification, and approval of official traffic control signals and devices and ancillary devices for use on the streets and highways of Florida. The specifications are available on the FDOT Traffic Engineering and Operations web site.
33. Permanent Works. All the permanent structures and parts thereof required of the completed Contract.
34. Plans. The part of the Contract Documents prepared or approved by the Engineer, including reproductions thereof, which graphically shows or supplements the scope, extent, and character of the Work to be performed by Contractor. Whenever the word "Plans" appears in these Contract Documents, it shall include any related drawings or standard details referenced by the Contract Documents.
35. Right-of-Way. The land that the Department has title to, or right of use, for the road and its structures and appurtenances, and for material pits furnished by the Department.
36. Roadbed. The portion of the roadway occupied by the subgrade and shoulders.
37. Roadway. The portion of a highway within the limits of construction.
38. Scaffolding. An elevated work platform used to support workmen, materials and equipment, but not intended to support the structure.
39. Section. A numbered prime division of these Specifications.

40. Shop Drawings. All working, shop and erection drawings, associated trade literature, calculations, schedules, manuals and similar documents submitted by Contractor to define some portion of the Work. The Work may include both permanent and temporary works as appropriate to the Project. Shop Drawings and other contractor submittals are not Plans as so defined.
41. Shoring. A component of falsework such as horizontal, vertical or inclined support members. In this Section, this term is interchangeable with falsework.
42. Special Erection Equipment. Includes launching gantries, beam and winch equipment, form travelers, stability towers, strong-backs, erection trusses, launching noses or similar items made purposely for construction of the structure. It does not apply to commonly available proprietary construction equipment such as cranes.
43. Special Provisions. Project specific clauses adopted by the Department that add to or revise these Specifications and associated supplemental specifications, or provide other requirements applicable to the Contract.
44. Specialty Engineer.
- a. A Professional Engineer registered in the State of Florida, other than the Engineer of Record or his subcontracted consultant, who undertakes the design and drawing preparation of components, systems, or installation methods and equipment for specific temporary portions of the Work or for special items of the permanent works not fully detailed in the plans and required to be furnished by Contractor such as but not limited to pot bearing designs, non-standard expansion joints, mechanically stabilized earth wall designs and other specialty items. The Specialty Engineer may also provide designs and details for items of the permanent work declared by the FDOT Construction Office to be "minor" or "non-structural". The Specialty Engineer may be an employee or officer of Contractor or a fabricator, an employee or officer of an entity providing components to a fabricator, or an independent consultant.
 - b. For items of work not specifically covered by Rule 14-75, F.A.C., a Specialty Engineer is qualified if he has the following qualifications:
 - 1) Registration as a Professional Engineer in the State of Florida.
 - 2) The education and experience necessary to perform the submitted design as required by the Florida Board of Professional Engineers.
45. Specifications. The directions, provisions, and requirements contained herein, together with all stipulations contained in the Contract Documents, setting out or relating to the method and manner of performing the work, or to the quantities and qualities of materials and labor to be furnished under the Contract.
46. State. State of Florida.
47. Structure. Any waterworks, drainage works, sewage works, river works, earthworks or constructions of any kind, including those of earth or rock, permanent or temporary, and including bridges, dam, wall, caisson, mast, tower, pylon, underground tank, earth retaining elements or assembly of elements, formwork, falsework, scaffold, fences, poles, buildings, pavings, inlets, levees, tide gates, spillways, drop structures, any structure similar to the foregoing, and any other form of building, construction, arrangement of parts, elements, or materials found in structures.
48. Subarticle. A prime subdivision of an Article of these Specifications.
49. Subgrade. The portion of the roadbed immediately below the base course or pavement, including below the curb and gutter, valley gutter, shoulder and driveway pavement. The subgrade limits ordinarily include those portions of the roadbed shown in the plans to be constructed to a design bearing value or to be otherwise specially treated. Where no limits are shown in the plans, the subgrade section extends to a depth of 12 inches below the bottom of the base or pavement and outward to 6 inches beyond the base, pavement, or curb and gutter.
50. Substructure. All of that part of a bridge structure below the bridge seats, including the parapets, backwalls, and wingwalls of abutments.
51. Superintendent. Contractor's authorized representative in responsible charge of the work.
52. Superstructure. The entire bridge structure above the substructure, including anchorage and anchor bolts, but excluding the parapets, backwalls, and wingwalls of abutments.
53. Surety. The corporate body that is bound by the Contract Bond with and for Contractor and responsible for the performance of the Contract and for payment of all legal debts pertaining thereto.
54. Temporary Works. Any temporary construction work necessary for the construction of the permanent works. This includes but is not limited to bracing, falsework, formwork, scaffolding, shoring, temporary earthworks, sheeting, cofferdams, and special erection equipment.
55. Traveled Way. The portion of the roadway providing for the movement of vehicles, exclusive of shoulders and auxiliary lanes.
56. Traffic Control Signals and Devices. Any signal or device, manually, electrically or mechanically operated, by which traffic is alternately directed to stop and permitted to proceed or controlled in any manner. Traffic control signals and devices regulate, warn, or guide traffic on, over or adjacent to a street, highway, pedestrian facility, or bikeway by authority of a public agency having jurisdiction. Traffic control signals and devices include, but are not limited to, controller assemblies (controller cabinets and their contents); signal heads including their hanging or mounting devices; vehicle detection systems (loops, sealant, amplifier, lead-in wire, or cable); pedestrian detection systems (push button, push button housing, lead-in wires, and signal); motorist information systems, video equipment, network devices, dynamic message signs, highway advisory radios, cameras, vehicle detection systems, and other equipment used within a traffic control system.
57. Underground Facilities. All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any

encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

58. Work. All labor, materials and incidentals required to execute and complete the requirements of the Contract including superintendence, use of equipment and tools, and all services and responsibilities prescribed or implied.

59. Working Day. Any calendar day on which Contractor works or is expected to work in accordance with the approved work progress schedule.

1.02 WORK COVERED BY THE CONTRACT DOCUMENTS

A. Intent of Contract and Contract Documents

1. The intent of the Contract and Contract Documents is to describe a functionally complete project (or part thereof) to be constructed, and to provide for the construction and completion in every detail of the Work described therein.
2. The intent of the Contract is for Contractor to provide, at no additional cost to the County, all labor, documentation, services, materials, equipment, tools, transportation, and supplies that are:
 - a. Necessary to complete the Work in accordance with the Contract Documents.
 - b. Reasonably inferred and incidental to the Work, whether or not specifically called for by the Contract Documents.

B. Alteration of Plans or of Character of Work

1. Engineer reserves the right to make, at any time prior to or during the progress of the Work, such increases or decreases in quantities, whether a significant change or not, and such alterations in the details of construction, whether a substantial change or not, including but not limited to alterations in the grade or alignment of the road or structure or both, as may be found necessary or desirable by the Engineer. The term "significant change" applies only when the Engineer determines that the character of the work, as altered, differs materially from that involved or included in the original proposed construction.
2. Such increases, decreases or alterations shall not constitute a breach of Contract, shall not invalidate the Contract, nor release the Surety from any liability arising out of this Contract or the Surety bond. Contractor agrees to perform the work, as altered, the same as if it had been a part of the original Work.
3. The Department may require work that is not covered by a price in the Contract if the Department determines that such work does not constitute a significant change and is essential to the satisfactory completion of the Contract within its intended scope. If an adjustment in price is warranted, Engineer will determine the basis of payment for such an adjustment in a fair and equitable amount and authorize the adjustment through an executed Negotiated Acceptance Memorandum (NAM) provided by the Department.

4. In the instance of an alleged significant change, Engineer will review all pertinent information provided by Contractor to determine the validity of the allegation. The determination by Engineer shall be conclusive and shall not be subject to challenge by Contractor in any forum, except upon Contractor establishing by clear and convincing proof that the determination by Engineer was without any reasonable and good-faith basis.

C. Connections to Existing Pavement, Drives and Walks

1. Adhere to the limits of construction at the beginning and end of the Project as detailed in the Contract Documents. However, if Engineer determines that it is necessary to extend the construction in order to make suitable connections to existing pavement, Engineer will authorize such a change.
2. For necessary connections to existing pavement, walks and drives that are not indicated on the Plans, Engineer will provide direction regarding the proper connections in accordance with the applicable Standards.

D. Differing Site Conditions

1. During the progress of the Work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the Contract Documents, or if unknown physical conditions of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract are encountered at the site, the party (County or Contractor) discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before Contractor disturbs the conditions or performs the affected work.
2. Upon receipt of written notification of differing site conditions from Contractor, Engineer will investigate the conditions. If Engineer determines that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the Contract, an adjustment will be made, excluding loss of anticipated profits, and the Contract will be modified in writing accordingly. Engineer will notify Contractor whether or not an adjustment of the Contract is warranted.
3. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:
 - a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to the County with respect to Contract Price and Contract Times by the submission of a Bid; or
 - b. The existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making a Bid; or
 - c. Contractor failed to give the written notice as required by this Article.

4. Engineer will not allow a Contract adjustment for a differing site condition unless Contractor has provided the required written notice.
5. Engineer will not allow a Contract adjustment under this clause for any effects caused to any other Department or non-Department projects on which Contractor may be working.

E. Underground Facilities.

1. It is generally recognized and Contractor should anticipate that information provided by utility owners during project design, frequently fails to disclose all Underground Facilities. The fact that more utility lines or other Underground Facilities are located in the Project Site than shown on the Project Plans does not constitute an unforeseen or differing Site Condition and such undisclosed Underground Facilities do not differ materially from the conditions which Contractor should expect.
2. Any information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to the County design engineer by the owners of such Underground Utilities. Additional utilities may exist which are not shown in the Contract Documents. Unless it is otherwise expressly stated in the Special Provisions, the County is not responsible for the accuracy or completeness of any such information or data provided
3. Contractor is responsible for field verification and location of all Underground Facilities prior to the start of construction. No field work shall be allowed to start until Contractor has notified Sunshine State One-Call of Florida, Inc. and all affected utilities have been located. In addition, Contractor, without any additional compensation, must expose and physically locate all potentially conflicting Underground Facilities prior to construction and is fully responsible for:
 - a. Reviewing and checking all Underground Facilities information and data;
 - b. Locating and verifying all Underground Facilities at or contiguous to the Site;
 - c. Coordination of the Work with the owners of such Underground Facilities, including the County, during construction; and
 - d. The safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.
4. The actual locations of the Underground Facilities must be compared to locations shown on the Plans and any required changes in alignment and grade must be made at the time of construction in consultation with Engineer.
5. If an Underground Utilities is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents:
 - a. Identify the owner of such Underground Facilities and give written notice to that owner and to Engineer promptly after becoming aware thereof and before

further disturbing conditions affected thereby or performing any Work in connection therewith. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

- b. Engineer will promptly review the Underground Facilities and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. If Engineer determines that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of the Work, an adjustment will be made, excluding loss of anticipated profits, and the Contract will be modified in writing accordingly. Engineer will notify Contractor whether or not an adjustment of the Contract is warranted.

F. Contractor Proposed Changes Affecting Utilities

1. Contractor is responsible for identifying and assessing any potential impacts to a utility that may be caused by the changes proposed by Contractor, and Contractor must, at the time of making the request for a change, notify the Department in writing of any such potential impacts to utilities.
2. Department approval of a Contractor proposed change does not relieve Contractor of sole responsibility for all utility impacts, costs, delays or damages, whether direct or indirect, resulting from Contractor initiated changes in the design or construction activities from those in the original Contract Specifications, design plans (including traffic control plans) or other Contract Documents and which effect a change in utility work different from that shown in the utility plans, joint project agreements or utility relocation schedules.

G. Rights in and Use of Materials Found on the Site of the Work

1. Ownership and Disposal of Existing Materials: Unless otherwise directed by Engineer or elsewhere in the Contract Documents, take ownership and dispose of all materials that are not designated as the property of other parties, in both roadway and structures, found on the right-of-way, and all material in structures designated for removal. Such materials do not include earth or other excavated material required for the construction of the Project. During construction, Contractor may use materials from existing structures that are required to be removed and that are designated to remain the property of the Department. Do not cut or otherwise damage such material during removal unless Engineer gives permission to do so. Store material in an accessible location as Engineer directs. The Department is not responsible for the quality or quantity of any material salvaged.
2. Ornamental Trees and Shrubs: Take ownership of all ornamental trees or shrubs existing in the right-of-way that are required to be removed for the construction operations and which are not specifically designated on the Plans to be reset, relocated, or to be removed by others prior to the construction operations.

H. Restoration of Property

1. Take preconstruction videos/pictures of the entire work zone and adjacent areas.
2. Public or private property damaged during construction or removed for convenience of the Work must be repaired or replaced at Contractor's expense in a manner acceptable to Engineer, prior to final acceptance of the Work or sooner if otherwise required by the Contract Documents or Engineer. This includes, but is, not limited to signalization equipment and miscellaneous hardware removed from the construction site, signs, driveways, landscaping, sidewalk, walkways, walls, fences, footings, underground utilities, etc.
3. Contractor must comply with the requirements of Miami-Dade County Code Section 2-103.1 (b), CONSTRUCTION OF PUBLIC UTILITIES OR WORKS IN PUBLIC RIGHTS-OF-WAY
 - a. "Whenever any person, corporation, partnership, association, County Department or other legal entity performs any construction or public work within an existing right-of-way located within unincorporated Miami-Dade County, or in right-of-ways of roads or streets located within municipalities that are maintained by the County, the right-of-way, including sidewalks, curbs and gutters, landscaping and must be restored to their legally permissible preexisting condition, including any aesthetic enhancements thereto and any adjacent private property damaged during construction, within forty-five (45) days of completion of the construction or public work in that right of way or within forty-five (45) days of damage to the affected property or area, which ever occurs first. Prior to the time such construction work begins, the contractor, by posting the construction site, shall inform the local community of the requirement to restore the right-of-way as well as any affected adjacent private property and the fines that could be imposed for each failure to do so. All work to be done pursuant to this Section shall be performed in compliance with the Public Works Manual. Any entity failing to restore the right-of-way to its preexisting condition or better within the time permitted shall be subject to a civil fine of five hundred dollars (\$500.00) per violation per day until such time as the right-of-way is restored, as well as five hundred dollars (\$500.00) per day for each affected adjacent private property until it is restored." Contractor may obtain a complete copy of the Ordinance from the Clerk of the Board.
 - b. Post the construction site pursuant to Miami-Dade County Code Section 2-103 (b). The Public Notice to be posted is to read as follows:

PUBLIC NOTICE
ORDINANCE NO. 03-89

Contractor shall restore the right-of-way as well as any affected adjacent private property within 45 days of completion of construction or damage to the affected property or area, whichever occurs first.

Any entity failing to restore the right-of-way to its pre-existing condition or better within the time promoted shall be subject to a civil fine of \$500 per violation per day.

4. Survey monuments.
 - a. Upon completion of construction activities and prior to the expiration of the Contract:
 - 1) Coordinate the replacement of any monument(s) disturbed or destroyed.
 - 2) Submit to Engineer for review and approval, a survey report that includes all monuments replaced and all monuments impacted as a result of construction activities.
 - b. The replacement of monuments and the preparation of the survey report must be by a licensed Florida Surveyor and Mapper and meet all applicable State Rules, Statutes, and requirements of the Department. All costs required for compliance with these requirements will be included among the Contract pay items.
5. Failure to Restore Damaged Property:
 - a. In case of failure on the part of Contractor to restore such property, bridge, road or street, or to make good such damage or injury, Engineer may, upon 48 hours notice, proceed to repair, rebuild, or otherwise restore such property, road, or street as may be deemed necessary, and the Department will deduct the cost thereof from any monies due or which may become due Contractor under the Contract. Nothing in this clause prevents the Contractor from receiving proper compensation for the removal, damage, or replacement of any public or private property, not shown on the plans, that is made necessary by alteration of grade or alignment. Engineer will authorize such work, provided that Contractor, or his employees or agents, have not, through their own fault, damaged such property.
6. Work Site Clean-Up:
 - a. Debris and trash shall be removed from the site daily.
 - b. Upon completion of all work specified herein at each work site and before acceptance and payment is made, Contractor shall remove from each work site all machinery, equipment, surplus and discarded materials, rubbish and temporary structures. Material cleared from site and deposited on adjacent property will not be considered as having been disposed of satisfactorily.

I. Final Cleaning Up of Right-of-Way

1. Upon completion of the Work, and before the Department accepts the Work and makes final payment, remove from the right-of-way and adjacent property all falsework, equipment, surplus and discarded materials, rubbish and temporary structures; restore in an acceptable manner all property, both public and private, that has been damaged during the prosecution of the work; and leave the waterways unobstructed and the roadway in a neat and presentable condition throughout the entire length of the work under Contract. Clean all areas impacted by the Work and remove sedimentation in drainage structures caused by the construction activities.
2. Do not dispose of materials of any character, rubbish or equipment, on abutting property, with or without the consent of the property owners. Engineer will allow Contractor to temporarily store equipment, surplus materials, usable forms, etc., on a well-kept site owned or leased by Contractor, adjacent to the Project. However, do not place or store discarded equipment, materials, or rubbish on such a site.
3. Shape, dress and restore areas adjacent to the Project right-of-way that were used as plant sites, materials storage areas or equipment yards when they are no longer needed for such purposes.

1.03 CONTROLLING WORK

A. Plans

1. Contract Documents: Have one complete copy of the Contract Documents available on the worksite at all times.
2. Department's Plans: Unless otherwise labeled, all Items shown on the Plans are considered to be part of the Work, and must be incorporated into the Work and included in the established prices.
3. Alterations in Plans: The Department will issue, in writing, all authorized alterations affecting the requirements and information given on the approved plans.

B. Typical Details and/or Sketches

1. Typical details and/or sketches regarding the proposed work may be provided in addition to the standard details that 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.
2. 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, Engineer will make a final determination as to which will govern.

C. Or-Equals and Substitutes

1. Except where specifically provided, whenever material or equipment is specified or described in the Contract

Documents by proprietary name or as being available from a particular supplier, the intent is to establish the type, function, appearance, and quality required. A written request to Engineer to authorize an "or-equal" or "substitute" material or equipment may be submitted as described below unless the item specified or described contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted.

a. Or-Equal Material or Equipment:

- 1) Material or equipment proposed by Contractor may be considered by Engineer as an "or equal" item if in Engineer's sole discretion the item proposed is functionally equal and sufficiently similar to that specified or described in the Contract Documents and that no change in related Work will be required.
- 2) Contractor has the burden of proving at Contractor's own cost and expense, to the satisfaction of Engineer, that the proposed item is equal to the named item. If Contractor fails to comply with the provisions of this Article, or if Engineer determines that the proposed item is not equal to that named, Contractor must supply the product named.
- 3) For the purposes of this Article and at Engineer's sole discretion, a proposed item of material or equipment will be considered functionally equal to the item specified or described in the Contract Documents if:

- a) In the exercise of reasonable judgment Engineer determines that the proposed item is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics; will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole; has a proven record of performance and availability of responsive service; and
- b) Contractor certifies that, if approved and incorporated into the Work, there will be no increase in cost to the County or increase in Contract Times, and the proposed item will conform substantially to the detailed requirements of the item named in the Contract Documents.

b. Substitute Material or Equipment:

- 1) If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item, it may be proposed for consideration as a substitute item by Contractor submitting sufficient information as stipulated below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to and an acceptable substitute for that named. Requirements pertaining to a proposed substitute item request for review by Engineer will be as set forth in this Article, as supplemented in the Contract Documents, and as Engineer may decide are appropriate under the circumstances.
- 2) Contractor must make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application shall:

- a) Certify that the proposed substitute item will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified, and be suited to the same use as that specified;
 - b) State the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time; whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents to adapt the design to the proposed substitute item; and whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;
 - c) Identify all variations of the proposed substitute item from that specified, and available engineering, sales, maintenance, repair, and replacement services;
 - d) Contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change.
2. Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. For Engineer approval, submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be as set forth in this Article, as supplemented in the Contract Documents, and as Engineer may decide are appropriate under the circumstances.
 3. Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to this Article and will be the sole judge of acceptability. Engineer may require Contractor to furnish additional data about the proposed substitute item. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by receipt from Engineer of either a written approval or Change order where required for a substitute; or an approved Shop Drawing or written approval for an "or equal." Engineer will advise Contractor in writing of any negative determination. Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense. County may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute item.
 4. Engineer's Cost Reimbursement: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to this Article whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse the County for the costs for evaluating each such

proposed substitute. Contractor shall also reimburse the County for the costs of making changes in the Contract Documents from the acceptance of each proposed substitute.

D. Right Of Way Verification

1. All Work and improvements shall be performed, constructed and installed within the limits of the existing Right-of-Way pursuant to the Contract Documents.
2. Obtain all necessary documentation for verifying rights-of-way and property lines.
3. Retain a Florida Registered Surveyor and Mapper to obtain right-of-way and property lines by examining available rights-of-way maps, plats, occupation, legal descriptions or other legal documents or means. The Surveyor will layout the required alignments and grades and be responsible for their accuracy.
4. All field notes on this Project must be kept in a dedicated field book. Submit all field books to Engineer once the Project is completed or prior to completion when a field book gets filled.
5. All costs for complying with these requirements are included under the several scheduled items of the overall Contract. Therefore, no separate payment will be made for this work.

E. Shop Drawings

1. Shop Drawings:
 - a. General. Prepare and submit whatever detailed working drawings necessary to fabricate, erect, and construct all parts of the Work in conformity with the Plans and Specifications. Shop drawings shall be submitted to Engineer; two sets will be returned to Contractor approved or showing the changes or corrections required; if changes or corrections are required, four revised copies shall be resubmitted until they are approved. Payment for shop drawings and required documents, revisions thereof, and for all copies furnished, shall be included in the various items of work bid. Contractor should allow a minimum of 14 days for the County's approval of shop drawings. County is not responsible for errors or minor discrepancies of Contractor's drawings, even though approved.
 - b. Work Items Requiring Shop Drawings: In general, the Department requires shop drawings for items of work not fully detailed in the plans which require additional drawings and coordination prior to constructing the item, including but not limited to:
 - 1) Bridge components not fully detailed in the plans
 - 2) Retaining Wall Systems
 - 3) Precast Box Culverts
 - 4) Non-standard lighting, signalization and signing structures and components
 - 5) Building structures
 - 6) Drainage structures, attenuators, and other nonstructural items

- 7) Design and structural details furnished by Contractor in compliance with the Contract
- 8) Temporary Works affecting public safety.
- c. Schedule of Submittals: Prepare and submit a schedule of submittals that identifies the work for which shop drawings apply. For each planned submittal, define the type, and approximate number of drawings or other documents that are included and the planned submittal date, considering the processing requirements herein. Submit the schedule of submittals to Engineer at the preconstruction conference, and prior to the submission of any shop drawings. Coordinate subsequent submittals with construction schedules to allow sufficient time for review, approval, and re-submittal as necessary.
- d. Style, Numbering, and Material of Submittals:
- 1) Drawings: Furnish four clearly legible copies of all shop drawings that are necessary to complete the structure in compliance with the design shown on the Plans. Prepare all shop drawings using the same units of measure as those used in the Plans. Use sheets no larger than 11 by 17 inches unless otherwise required by Engineer. Consecutively number each sheet in the submittal series, and indicate the total number in the series (i.e., 1 of 12, 2 of 12, . . . , 12 of 12). Include on each sheet the following items as a minimum requirement: the Project Number, Bridge Number(s), drawing title and number, a title block showing the names of the fabricator or producer and Contractor for which the work is being done, the initials of the person(s) responsible for the drawing, the date on which the drawing was prepared, the location of the item(s) within the Project, Contractor's approval stamp with date and initials, and, when applicable, the documents shall be signed and sealed by the Specialty Engineer or Contractor's Engineer of Record, as appropriate. A re-submittal will be requested when any of the required information is not included.
 - 2) Other Documents: Provide four sets of original documents or clearly legible copies of documents other than drawings, such as trade literature, catalogue information, calculations, and manuals. Provide sheets no larger than 11 by 17 inches unless otherwise required by Engineer. Clearly label and number each sheet in the submittal to indicate the total number of sheets in the series (i.e., 1 of 12, 2 of 12, . . . , 12 of 12). Additional sets of documentation may be required by Engineer for review of precast prestressed and structural steel components.
 - 3) Prepare all documents using the same units of measure as those used in the Contract Documents. Bind and submit all documents with a Table of Contents cover sheet. List on the cover sheet the total number of pages and appendices, and include the Project Number, a title referencing the submittal item(s), the name of the firm and person(s) responsible for the preparation of the document, Contractor's approval stamp with date and initials, and, when applicable, the documents shall be signed and sealed by the Specialty Engineer or Contractor's Engineer of Record, as appropriate.
- 4) Submit appropriately prepared and checked calculations and manuals that clearly outline the design criteria. Include on the internal sheets the Project Number and the initials of the person(s) responsible for preparing and checking the document.
 - 5) Clearly label trade literature and catalogue information on the front cover with the title, Project Number, date and name of the firm and person(s) responsible for that document.
- e. Submittal Paths and Copies:
- 1) General: Submit shop drawings to Engineer or Engineer's duly authorized representative. At the preconstruction conference, the Department will notify Contractor of any changes in the submittal path and whether the Department's or the Consultant's review stamp will signify an officially reviewed shop drawing. When the Engineer of Record is a consultant hired by the Department, submit shop drawings to the consultant with a copy to Engineer. For work requiring other documentation (e.g., catalog data, procedure manuals, fabrication/welding procedures, and maintenance and operating manuals), submit the required number of copies with the prints. If not shown on the plans, the Department will furnish the mailing address of the Consulting Engineer of Record. Provide copies of material certifications and material tests to Engineer.
 - 2) Contractor-Originated Design: Submit shop drawings and applicable calculations to the Engineer of Record for review. Ensure that each sheet of the shop drawings and the cover sheet of the calculations are signed and sealed by the Specialty Engineer or Contractor's Engineer of Record. Transmit the submittal and copies of the transmittal letters in accordance with the submittal requirements stipulated herein.
 - 3) Temporary Works: For Construction Affecting Public Safety, submit to the Engineer of Record shop drawings and the applicable calculations for the design of special erection equipment, bracing, falsework, scaffolding, etc. Ensure that each sheet of the shop drawings and the cover sheet of the applicable calculations is signed and sealed by the Specialty Engineer. Transmit the submittal and copies of the transmittal letters in accordance with the submittal requirements stipulated herein.
 - 4) Formwork and Scaffolding: Contractor is solely responsible for the safe installation and use of all formwork and scaffolding. The Department does not require any formwork or scaffolding submittals unless such work would be classified as Construction Affecting Public Safety or called for by the Contract Documents.
 - 5) Beam and Girder Temporary Bracing: Contractor is solely responsible for ensuring stability of beams and girders during all handling, storage, shipping and erection. Adequately brace beams and girders to resist wind, weight of forms and other temporary

loads, especially those eccentric to the vertical axis of the products, considering actual beam geometry and support conditions during all stages of erection and deck construction. Develop the required designs following the AASHTO Guide Design Specifications for Bridge Temporary Works and Construction Handbook for Bridge Temporary Works and the Contract Documents.

- 6) For Construction Affecting Public Safety, submit signed and sealed calculations for stability for all beams and girders.
- 7) Erection Plan: Submit, for Engineer's review, an Erection Plan that meets the specific requirements of FDOT Sections 450, 452 and 460 and this section. Refer to FDOT Design Standards Index 600 for construction activities not permitted over traffic.
- 8) Other Miscellaneous Design and Structural Details Furnished by Contractor in Compliance with the Contract: Submit to Engineer any shop drawings and applicable calculations. Ensure that each sheet of the shop drawings and the cover sheet of the applicable calculations is signed and sealed by the Specialty Engineer. Transmit the submittal and copies of the transmittal letters in accordance with the submittal requirements stipulated herein.

f. Processing of Shop Drawings:

- 1) Contractor Responsibility for Accuracy and Coordination of Shop Drawings:
 - a) Coordinate, schedule, and control all submittals, with a regard for the required priority, including those of the various subcontractors, suppliers, and engineers, to provide for an orderly and balanced distribution of the work.
 - b) Submit shop drawings to facilitate expeditious review. Contractor is discouraged from transmitting voluminous submittals of shop drawings at one time. For submittals transmitted in this manner, allow for the additional review time that may result.
 - c) Only shop drawings distributed that have been approved by the Department are valid. Any work that Contractor performs in advance of approval will be at Contractor's risk.
- 2) Scope of Review by Engineer: The Engineer of Record's review of the shop drawings is for conformity to the requirements of the Contract Documents and to the intent of the design. The Engineer of Record's review of shop drawings which include means, methods, techniques, sequences, and construction procedures are limited to the effects on the permanent works. The Engineer of Record's review of submittals which include means, methods, techniques, sequences, and construction procedures does not include an in-depth check for the ability to perform the work in a safe or efficient manner. Review by the Engineer of Record does not relieve Contractor of responsibility for dimensional accuracy to ensure field fit and for conformity of the various components and details.

- 3) Special Review by Engineer of Shop Drawings for Construction Affecting Public Safety: For Construction Affecting Public Safety, the Engineer of Record, or other Engineer as the Department appoints for this purpose, will make an independent review of all relevant shop drawings and similar documents. Do not proceed with construction of the permanent works until receiving the Engineer of Record's approval. The review of these shop drawings is for overall structural adequacy of the item to support the imposed loads and does not include a check for economy, efficiency or ease of construction.

g. Other Requirements for Shop Drawings for Bridges:

- 1) Shop Drawings for Structural Steel and Miscellaneous Metals: Furnish shop drawings for structural steel and miscellaneous metals. Shop drawings shall consist of working, shop, and erection drawings, welding procedures, and other working plans, showing details, dimensions, sizes of material, and other information necessary for the complete fabrication and erection of the metal work.
- 2) Shop Drawings for Concrete Structures: Furnish shop drawings for concrete components that are not cast-in-place and are not otherwise exempted from submittal requirements. Also, furnish shop drawings for all details that are required for the effective prosecution of the concrete work and are not included in the Contract Documents such as: special erection equipment, masonry layout diagrams, and diagrams for bending reinforcing steel, in addition to any details required for concrete components for the permanent work.
- 3) Shop Drawings for Major and Unusual Structures: In addition to any other requirements, within 60 days from the Notice to Proceed, submit information to Engineer outlining the integration of the Major and Unusual Structure into the overall approach to the project. Where applicable to the project, include, but do not limit this information to:
 - a) The overall construction program for the duration of the Contract. Clearly show the Milestone dates.
 - b) The overall construction sequence. The order in which individual structures are to be built, the sequence in which individual spans of girders or cantilevers are erected, and the sequence in which spans are to be made continuous.
 - c) The general location of any physical obstacles to construction that might impose restraints or otherwise affect the construction, and an outline of how to deal with such obstacles while building the structure(s).
 - d) The approximate location of any special lifting equipment in relation to the structure, including clearances required for the operation of the equipment.
 - e) The approximate location of any temporary falsework, and the conceptual outline of any special erection equipment. Provide the precise locations and details of attachments, fixing devices, loads, etc. in later detailed submittals.

- f) An outline of the handling, transportation, and storage of fabricated components, such as girders or concrete segments. Provide the precise details in later detailed submittals.
 - g) Any other information pertinent to the proposed scheme or intended approach.
 - h) Clearly and concisely present the above information on as few drawings as possible in order to provide an overall, integrated summary of the intended approach to the project. The Department will use these drawings for information, review planning, and to assess Contractor's approach in relation to the intent of the original design. The delivery to and receipt by Engineer does not constitute any Department acceptance or approval of the proposals shown thereon. Include the details of such proposals on subsequent detailed shop drawing submittals. Submit timely revisions and re-submittals for all variations from these overall scheme proposals.
- h. Cost of Shop Drawings: Include the cost of furnishing shop and working drawings in the Contract prices for the work requiring the shop and working drawings. The Department will not pay Contractor additional compensation for such drawings.
2. Certifications:
- a. Special Erection Equipment: Prior to its use, ensure that the Specialty Engineer personally inspects the special erection equipment and certifies to Engineer in writing that the equipment has been fabricated in accordance with the submitted drawings and calculations. In addition, after assembly, ensure that the Specialty Engineer observes the equipment in use and certifies to Engineer in writing that it is being used as intended and in accordance with the submitted drawings and calculations. In each case, ensure that the Specialty Engineer also signs and seals the letter of certification.
 - b. Falsework and Shoring Requiring Shop Drawings: After its erection or installation but prior to the application of any superimposed load, ensure that the Specialty Engineer personally inspects the falsework and certifies to Engineer in writing that the falsework has been constructed in accordance with the materials and details shown on the submitted drawings and calculations. Ensure that the Specialty Engineer also signs and seals the letter of certification.
 - c. Temporary Formwork: For Construction Affecting Public Safety and for Major and Unusual Structures, prior to the placement of any concrete, ensure that the Specialty Engineer inspects the formwork and certifies to Engineer in writing that the formwork has been constructed to safely withstand the superimposed loads to which it will be subjected. Ensure that the Specialty Engineer signs and seals the letter of certification.
 - d. Erection: For Construction Affecting Public Safety, submit an erection plan signed and sealed by the Specialty Engineer to Engineer at least four (4) weeks prior to erection commencing. Include as part of this submittal signed and sealed calculations and details for any falsework, bracing or other connection(s) supporting the structural elements shown in the erection plan.
- e. At least two (2) weeks prior to beginning erection, conduct a Preerection meeting with the Specialty Engineer and Engineer to review details of the plan.
 - f. After erection of the elements but prior to opening of the roadway below the structure, ensure that a Specialty Engineer has personally inspected the erected member(s) and certified to Engineer that the structure has been erected in accordance with the signed and sealed erection plan.
 - g. Perform daily inspections of the erected structural systems. For structures without temporary supports but with temporary girder bracing systems, perform inspections until all the diaphragms and cross frames are in place. For structures with temporary supports, perform inspections until the temporary supports are no longer needed as indicated in the erection plans. Provide written documentation of the inspections to Engineer within 24 hours of the inspection.
3. Corrections for Construction Errors:
- a. For work that Contractor constructs incorrectly or does not meet the requirements of the Contract Documents, Contractor has the prerogative to submit an acceptance proposal to Engineer for review and disposition. The acceptance proposal shall describe the error or defect and either describe remedial action for its correction or propose a method for its acceptance. In either case, the acceptance proposal shall address structural integrity, aesthetics, maintainability, and the effect on Contract Time. The Department will judge any such proposal for its effect on these criteria and also for its effect on Contract Administration.
 - b. When Engineer judges that a proposal infringes on the structural integrity or maintainability of the structure, Contractor's Engineer of Record will perform a technical assessment and submit it to Engineer for approval.
 - c. Do not take any corrective action without Engineer's approval. Carry out all approved corrective construction measures at no expense to the County.
 - d. Notwithstanding any disposition of the compensation aspects of the defective work, Engineer's decision on the technical merits of a proposal is final.
- F. Coordination of Contract Documents
- 1. These Specifications, the Plans, Special Provisions, and all supplementary documents are integral parts of the Contract; a requirement occurring in one is as binding as though occurring in all.
 - 2. All parts of the Contract Documents are complementary and describe and provide for a complete work. In addition to the work and materials specified in the Specifications as being included in any specific pay item, include in such pay items additional, incidental work, not specifically mentioned, when so shown in the plans, or if indicated, or obvious and apparent, as being necessary for the proper completion of the work under such pay item and not stipulated as being covered under other pay items.
 - 3. Promptly notify Engineer in writing of any conflict, error, ambiguity, omission or discrepancy which Contractor may discover within the Contract Documents and obtain a written interpretation or clarification from Engineer before proceeding with any work affected thereby. The

higher quality, greater quantity, more specific or restrictive, or more expensive requirement necessary and applicable to the completed Project, based on Engineer's interpretation, will take precedence. Engineer's written decision on the issue will be final and binding.

G. Conformity of Work with Contract Documents

1. Perform all work and furnish all materials in conformity with the lines, grades, cross-sections, dimensions, and material requirements, including tolerances, as specified in the Contract Documents.
2. In the event that Engineer finds that Contractor has used material or produced a finished product that is not in conformity with the Contract Documents, but that Contractor has produced reasonably acceptable work, Engineer will determine if the Department will accept the work. In this event, Engineer will document the basis of acceptance by Contract modification, which provides for an appropriate reduction in the Contract price for such work or materials included in the accepted work as deemed necessary to conform to the determination based on engineering judgment.
3. In the event that Engineer finds that Contractor has used material or produced a finished product that is not in conformity with the Contract Documents, and that Contractor has produced an inferior or unsatisfactory product, Contractor shall remove and replace or otherwise correct the work or materials at no expense to the County.
4. For base and surface courses, the Department will allow the finished grade to vary as much as 0.1 foot from the grade shown in the plans, provided that Contractor's work meets all templates and straightedge requirements and contains suitable transitions.

H. Errors or Omissions in Contract Documents

1. Do not take advantage of any apparent error or omission discovered in the Contract Documents, but immediately notify Engineer of such discovery. Engineer will then make such corrections and interpretations as necessary to reflect the actual spirit and intent of the Contract Documents.

I. Authority of Engineer

1. Perform all work to the satisfaction of Engineer. Engineer will decide all questions, difficulties, and disputes, of whatever nature, that may arise relative to the interpretation of the Plans, construction, prosecution, and fulfillment of the Contract, and as to the character, quality, amount, and value of any work done, and materials furnished, under or by reason of the Contract.

J. Authority and Duties of Engineer's Assistants

1. Engineer's assistants and representatives are authorized to inspect all work done and all materials furnished. Such inspection may extend to all or any part of the work and to the manufacture, preparation, or fabrication of the materials to be used. Such assistants and

representatives are not authorized to revoke, alter, or waive any requirement of these Specifications. Rather, they are authorized to call to the attention of Contractor any failure of the work or materials to meet the Contract Documents, and have the authority to reject materials or suspend the work until any questions at issue can be referred to and decided by Engineer.

2. Engineer will immediately notify Contractor in writing of any such suspension of the work, stating in detail the reasons for the suspension. The presence of the inspector or other assistant in no way lessens the responsibility of Contractor.

K. Engineering and Layout

1. Control Points Furnished by the Department:

- a. Engineer will provide centerline control points (Begin Project, End Project, PIs, PTs, etc.) and bench marks at appropriate intervals along the line of the project to facilitate the proper layout of the work. Normally, Engineer will furnish only one bench mark for water crossings. Preserve all reference points and bench marks that the Department furnishes.
- b. As an exception to the above, for projects where the plans do not show a centerline or other survey control line for construction of the work (e.g. resurfacing, safety modifications, etc.) Engineer will provide only points marking the beginning and ending of the project, and all exceptions.

2. Furnishing of Stake Materials: Furnish all stakes, templates, and other materials necessary for establishing and maintaining the lines and grades necessary for control and construction of the Work.

3. Layout of Work:

- a. Utilizing the control points furnished by the Department, establish all horizontal and vertical controls necessary to construct the work in conformity to the Contract Documents. Perform all calculations required, and set all stakes needed such as grade stakes, offset stakes, reference point stakes, slope stakes, and other reference marks or points necessary to provide lines and grades for construction of all roadway, bridge, and miscellaneous items.
- b. When performing utility construction as part of the project, establish all horizontal and vertical controls necessary to carry out such work.

4. Specific Staking Requirements:

- a. When performing new base construction as part of the Project, set stakes to establish lines and grades for subgrade, base, curb, and related items at intervals along the line of the work no greater than 50 feet on tangents and 25 feet on curves. Set grade stakes at locations that Engineer directs to facilitate checking of subgrade, base, and pavement elevations in crossovers, intersections, and irregular shaped areas.
- b. For bridge construction stakes and other control, set references at sufficiently frequent intervals to ensure construction of all components of a structure in accordance with the lines and grades shown in the plans.

- c. For projects where the plans do not show a centerline or other survey control line for construction of the work (resurfacing, safety modifications, etc.), provide only such stakes as necessary for horizontal and vertical control of work items.
 - d. For resurfacing and resurfacing-widening type projects, establish horizontal controls adequate to ensure that the asphalt mix added matches with the existing pavement. In tangent sections, set horizontal control points at 100 foot intervals by an instrument survey. In curve sections, set horizontal control points at 25 foot intervals by locating and referencing the centerline of the existing pavement.
 - e. Establish by an instrument survey, and mark on the surface of the finished pavement at 25 foot intervals, the points necessary for striping of the finished roadway. As an exception, for resurfacing and resurfacing/widening projects, establish these points in the same manner as used for horizontal control of paving operations. Mark the pavement with white paint. If performing striping, Engineer may approve an alternate method for layout of striping provided that Contractor achieves an alignment equal to or better than the alignment that would be achieved using an instrument survey.
 - f. For projects that include temporary or permanent striping of "no passing zones", provide the location and length of these zones as shown in the plans, except projects where the vertical or horizontal alignment is new or altered from preconstruction alignment. For projects that consist of new or altered vertical or horizontal alignment, the Department will provide the location and length of the "no passing zones" during construction. For these projects, notify Engineer not less than 21 calendar days prior to beginning striping.
 - g. For all projects, set a station identification stake at each right-of-way line at 100 foot intervals and at all locations where a change in right-of-way width occurs. Mark each of these stakes with painted numerals, of a size readable from the roadway, corresponding to the project station at which it is located. As an exception to the above, for projects where plans do not show right-of-way lines, set station identification stakes at locations and intervals appropriate to the type of work being done. For resurfacing and resurfacing/widening projects, set station identification stakes at 200 foot intervals.
5. Personnel, Equipment, and Record Requirements:
- a. Employ only competent personnel and use only suitable equipment in performing layout work. Do not engage the services of any person or persons, employed by the Department, for performance of layout work.
 - b. Keep adequate field notes and records while performing layout work. Make these field notes and records available for Engineer's review as the work progresses, and furnish copies to Engineer at the time of completion of the project. Engineer's inspection, checking, or acceptance of Contractor's field notes or layout work does not relieve Contractor of his responsibility to achieve the lines, grades, and dimensions shown in the Contract Documents.
 - c. Prior to final acceptance of the project, mark, in a permanent manner on the surface of the completed work, all horizontal control points originally furnished by the Department.
6. Payment: Include the cost of performing layout work as described above in the Contract unit prices for the various items of work that require layout.
- L. Contractor's Supervision
- 1. Contractor's Superintendent:
 - a. Maintain a competent superintendent at the Site at all times while work is in progress to act as Contractor's agent. The superintendant must:
 - 1) Be capable of properly interpreting the Contract Documents and thoroughly experienced in the type of work being performed.
 - 2) Have full authority to receive instructions from Engineer and to execute the orders or directions of the Engineer, including promptly supplying any materials, tools, equipment, labor, and incidentals that may be required.
 - 3) Speak and understand English.
 - b. Maintain at least one other responsible person who speaks and understands English, on the Project during all working hours.
 - c. Furnish sufficient superintendence and supervisory personnel commensurate to the amount and type of work being performed.
 - 2. Supervision for Emergencies:
 - a. Provide a responsible person, who speaks and understands English, and who is available at or reasonably near the worksite on a 24 hour basis, seven days a week. Designate this person as the point of contact for emergencies and in cases that require immediate action to maintain traffic or to resolve any other problem that might arise.
 - b. Submit, by certified mail, the phone numbers and names of personnel designated to be contacted in cases of emergencies, along with a description of the project location, to the Miami-Dade Police and all other local law enforcement agencies.
- M. General Inspection Requirements
- 1. Cooperation by Contractor:
 - a. Notify Engineer daily where each of his crews will be working and what work will be done. This notification shall be given each weekday between 3:00 p.m. and 4:00 p.m. on the prior day.
 - b. Do not perform work or furnish materials without obtaining inspection by Engineer or his representative. Furnish Engineer with every reasonable facility for ascertaining whether the work performed and materials used are in accordance with the requirements and intent of the Contract Documents.
 - c. If Engineer so requests at any time before final acceptance of the work, remove or uncover such portions of the finished work as directed. After examination, restore the uncovered portions of the work to the standard required by the Contract Documents. If Engineer determines that the work so exposed or examined is unacceptable, perform the uncovering or

removal, and the replacing of the covering or making good of the parts removed, at no expense to the County. However, if Engineer determines that the work thus exposed or examined is acceptable, the County will pay for the uncovering or removing, and the replacing of the covering or making good of the parts removed in accordance with the terms of the Contract Documents.

2. Failure of Engineer to Reject Work During Construction: If, during or prior to construction operations, Engineer fails to reject defective work or materials, whether from lack of discovery of such defect or for any other reason, such initial failure to reject in no way prevents the later rejection when such defect is discovered, or obligates the County to final acceptance. The County is not responsible for losses suffered due to any necessary removals or repairs of such defects.
3. Failure to Remove and Renew Defective Materials and Work: If Contractor fails or refuses to remove and renew any defective materials used or work performed, or to make any necessary repairs in an acceptable manner and in accordance with the requirements of the Contract within the time indicated in writing, the Engineer has the authority to repair, remove, or renew the unacceptable or defective materials or work as necessary, all at Contractor's expense. The Department will obtain payment for any expense it incurs in making these repairs, removals, or renewals, that Contractor fails or refuses to make, by deducting such expenses from any moneys due or which may become due Contractor, or by charging such amounts against the Contract bond.
4. Inspection by State and/or Federal Government: When the State of Florida and/or the United States Government pays a portion of the cost of construction, their representatives may inspect the construction work as they deem necessary. However, such inspection(s) will in no way make the State or the Federal Government a party to the Contract.

N. Final Inspection

1. Maintenance until Acceptance: Maintain all Work until Engineer has given final acceptance in accordance with the requirements of the Contract Documents.
2. Inspection for Acceptance:
 - a. Upon notification that all Contract Work, or all Contract Work on the portion of the Contract scheduled for acceptance, has been completed, Engineer will make an inspection for acceptance. The inspection will be made within seven days of the notification. If Engineer finds that all work has been satisfactorily completed, the Department will consider such inspection as the final inspection. If any or all of the Work is found to be unsatisfactory, Engineer will detail the remedial work required to achieve acceptance. Immediately perform such remedial work. Subsequent inspections will be made on the remedial work until Engineer accepts all Work.
 - b. Upon satisfactory completion of the Work, the Department will provide written notice of acceptance, either partial or final, to Contractor.

- c. Until final acceptance in accordance with the requirements of the Contract Documents, replace or repair any damage to the accepted Work.
3. Partial Acceptance: At Engineer's sole discretion, Engineer may accept any portion of the Work under the provisions stipulated above.
4. Conditional Acceptance: Engineer will not make, or consider requests for conditional acceptance of a project.
5. Final Acceptance.
 - a. When, upon completion of the final construction inspection of the entire Project, Engineer determines that Contractor has satisfactorily completed the Work, Engineer will give Contractor written notice of final acceptance.

1.04 CONTROLLING MATERIALS

A. Acceptance Criteria

1. General:

- a. All materials and equipment, except for materials specifically called for on the Contract Documents to be provided by the County, are to be supplied by the Contractor who must, as required, obtain shop drawing approvals and order these items in a timely fashion so as not to cause any delays in the approved schedule.
- b. Acceptance of materials is based on the criteria provided herein and elsewhere in the Contract Documents. All requirements may not apply to all materials. Use only materials in the Work that meet the requirements of the Contract Documents. Engineer may inspect and test any material, at points of production, distribution and use.

2. Sampling and Testing:

- a. Use sample identification and tracking forms approved by Engineer to provide related information and attach the information to each sample. Restore immediately any site from which material has been removed for sampling purposes to the pre-sampled condition with materials and construction methods used in the initial construction, at no additional cost to the County. Ensure that sufficient material is delivered to allow for proper sample collection, at no expense to the County.
- b. Where required:

- 1) Pretest by Manufacturers: Submit certified manufacturer's test results to Engineer for qualification and use on the Project. Testing will be as specified in the Contract Documents. The Department may require submittal from manufacturers of samples of materials for independent verification purposes.
- 2) Point of Production Test: Test the material during production as specified in the Contract Documents.
- 3) Point of Distribution Test: Test the material at Distribution facilities as specified in the Contract Documents.
- 4) Point of Use Test: Test the material immediately following placement as specified in the Contract

Documents. After delivery to the Project, the Department may require the retesting of materials that have been tested and accepted at the source of supply, or may require the testing of materials that are to be accepted by Producer Certification. The Department may reject all materials that, when retested, do not meet the requirements of the Contract Documents.

3. Certification:

- a. Producer Certification: Provide complete certifications for materials as required. Furnish to Engineer for approval, Producer Certifications for all products listed on the FDOT Qualified Products List and when required by the applicable material Specification(s). Do not incorporate any manufactured products or materials into the Project without approval from Engineer. Materials will not be considered for payment when not accompanied by Producer Certification or when used without Engineer's approval. Producers may obtain sample certification forms through the FDOT's Materials Office website. Ensure that the certification is provided on the producer's letterhead and is signed by a legally responsible person from the producer and notarized.

1) FDOT Qualified Products List:

- a) The Product Evaluation Section in the FDOT Specifications and Estimates Office publishes and maintains a Qualified Products List. The Department will limit Contractor's use of products and materials that require pre-approval to those listed on the FDOT Qualified Products List effective at the time of placement, as amended by the Contract Documents.
- b) Manufacturers seeking FDOT evaluation of an item must submit to FDOT a Product Evaluation Application, available on the FDOT's website <http://www.dot.state.fl.us/specificationsoffice/ProductEvaluation/QPL/SubmittalProcess.shtm>, with supporting documentation as defined and detailed by the applicable Specifications and Standards. This may include certified test reports from an independent test laboratory, certification that the material meets all applicable specifications, signed and sealed drawings and calculations, quality control plans, samples, infrared scans, or other technical data.
- c) Manufacturers successfully completing FDOT's evaluation may be eligible for inclusion on the FDOT Qualified Products List subject to FDOT criteria for continued approval.

2) Approved Products List (APL):

- a) Only those traffic control equipment and materials listed in the DTPW Traffic Signals & Signs (TSS) Division's Qualified Products List (TSSQPL), or submitted to and approved in writing by the DTPW TSS for addition to the TSSQPL, are allowed to be installed in Miami-Dade County. Equipment or material used in the performance of the Work, without prior Departmental approval, must be replaced with Department approved equipment or material, at no cost to the County. The TSSQPL is available at:

http://www.miamidade.gov/pubworks/library/MD_C_TSS_Qualified_Products_List.pdf

- b) The FDOT Traffic Engineering and Operations Office maintains an Approved Products List (APL) of Traffic Control Signal Devices. Traffic Monitoring Site Equipment and Materials are also included on the FDOT APL. Manufacturers seeking evaluation of a specific device for inclusion on the FDOT APL must submit an application which can be obtained from the FDOT Traffic Engineering and operations Office website http://www.dot.state.fl.us/trafficoperations/Traff_Sys/terl/apl2.shtm

- b. Contractor Installation Certification: Provide installation certifications as required by the Contract Documents.

B. Applicable Documented Authorities Other Than Specifications

1. General: Details on individual materials are identified in various material specific Sections of the Specifications that may refer to other documented authorities for requirements. When specified, meet the requirements as defined in such references.
2. Test Methods: Methods of sampling and testing materials are in accordance with the Florida Methods (FM). If a Florida Method does not exist for a particular test, perform the testing in accordance with the method specified in the Specification. When test methods or other standards are referenced in the Specifications without identification of the specific time of issuance, use the most current issuance, including interims or addendums thereto, at the time of bid opening.
3. Construction Aggregates:
- a. Unless otherwise specified in the Contract Documents:
- 1) All aggregate products and sources used in performance of the Work must be approved by FDOT pursuant to Rule 14-103, F.A.C. Aggregates and sources used must be identified in the FDOT "Approved Aggregate Products from Mines or Terminals" listings current at the time the aggregate is proposed for use on the Project.
- 2) Each truck aggregate load ticket provided must include the DTPW Project Name and Number, name of the aggregate source, the FDOT Source Number, quantity, aggregate description and corresponding FDOT material code, producer ticket number, and statement "CERTIFIED FOR FDOT" or "CERT. FOR FDOT."

C. Storage of Materials and Samples

1. Method of Storage: Store materials in such a manner as to preserve their quality and fitness for the work, to facilitate prompt inspection, and to minimize noise impacts on sensitive receivers. More detailed requirements concerning the storage of specific materials are prescribed under the applicable Specifications. The Department may reject improperly stored materials.
2. Use of Right-of-Way for Storage: Unless otherwise stated in the Contract Documents, no Project staging areas

have been provided by the County. If Engineer allows, Contractor may use a portion of the right-of-way for temporary storage purposes and for temporarily placing Contractor's plant and equipment. Use only the portion of the right-of-way that is outside the clear zone, which is the portion not required for public vehicular or pedestrian travel. When used, restore the right-of-way to pre-construction condition at no additional cost to the County or as specified in the Contract Documents. Provide any additional space required at no expense to the County.

3. Responsibility for Stored Materials: Accept responsibility for the protection of stored materials. The Department is not liable for any loss of materials, by theft or otherwise, or for any damage to the stored materials.
4. Storage Facilities for Samples: Provide facilities for storage of samples as described in the Contract Documents and warranted by the test methods and Specifications.

D. Defective Materials

1. Materials not meeting the requirements of the Contract Documents will be considered defective. Engineer will reject all such materials, whether in place or not. Remove all rejected material immediately from the site of the work and from storage areas, at no expense to the County.
2. Do not use material that has been rejected and the defects corrected, until Engineer has approved the material's use. Upon failure to comply promptly with any order of Engineer made under these provisions, Engineer will remove and replace defective material and deduct the cost of removal and replacement from any moneys due or to become due to Contractor.
3. As an exception to the above, Contractor may submit, upon approval of Engineer, an engineering and/or laboratory analysis to evaluate the effect of defective in-place materials. A Specialty Engineer, who is an independent consultant or Contractor's Engineer of Record as stated within each individual Section shall perform any such analysis. Engineer will determine the final disposition of the material after review of the information submitted by Contractor. No additional monetary compensation or time extension will be granted for the impact of any such analysis or review.

E. Products and Source of Supply

1. Source of Supply--Convict Labor (Federal-Aid Contracts Only):
 - a. Do not use materials that were produced after July 1, 1991, by convict labor for Federal-aid highway construction projects unless the prison facility has been producing convict-made materials for Federal-aid highway construction projects before July 1, 1987.
 - b. Use materials that were produced prior to July 2, 1991, by convicts on Federal-aid highway construction projects free from the restrictions placed on the use of these materials by 23 U.S.C. 114. The Department will limit the use of materials produced by convict labor for use in Federal-aid highway construction projects to:

- 1) Materials produced by convicts on parole, supervised release, or probation from a prison or,
 - 2) Materials produced in a qualified prison facility.
- c. The amount of such materials produced for Federal-aid highway construction during any 12-month period shall not exceed the amount produced in such facility for use in such construction during the 12-month period ending July 1, 1987.

2. Source of Supply-Steel (Federal-Aid Contracts Only):

- a. For Federal-aid Contracts, only use steel and iron produced in the United States, in accordance with the Buy America provisions of 23 CFR 635.410, as amended. Ensure that all manufacturing processes for this material occur in the United States. As used in this specification, a manufacturing process is any process that modifies the chemical content, physical shape or size, or final finish of a product, beginning with the initial melding and mixing and continuing through the bending and coating stages. A manufactured steel or iron product is complete only when all grinding, drilling, welding, finishing and coating have been completed. If a domestic product is taken outside the United States for any process, it becomes foreign source material. When using steel and iron as a component of any manufactured product incorporated into the project (e.g., concrete pipe, prestressed beams, corrugated steel pipe, etc.), these same provisions apply, except that the manufacturer may use minimal quantities of foreign steel and iron when the cost of such foreign materials does not exceed 0.1% of the total Contract amount or \$2,500, whichever is greater.
 - b. These requirements are applicable to all steel and iron materials incorporated into the finished work, but are not applicable to steel and iron items that Contractor uses but does not incorporate into the finished work. Provide a certification from the producer of steel or iron, or any product containing steel or iron as a component, stating that all steel or iron furnished or incorporated into the furnished product was manufactured in the United States in accordance with the requirements of this specification and the Buy America provisions of 23 CFR 635.410, as amended. Such certification shall also include (1) a statement that the product was produced entirely within the United States, or (2) a statement that the product was produced within the United States except for minimal quantities of foreign steel and iron valued at \$ (actual value). Furnish each such certification to Engineer prior to incorporating the material into the project. When FHWA allows the use of foreign steel on a project, furnish invoices to document the cost of such material, and obtain Engineer's written approval prior to incorporating the material into the project.
3. Unfit, Hazardous, and Dangerous Materials:
 - a. Do not use any material that, after approval and/or placement, has in any way become unfit for use.
 - b. Do not use materials containing any substance that has been determined to be hazardous by the State of Florida Department of Environmental Protection or the U.S. Environmental Protection Agency (EPA). Provide workplaces free from serious recognized hazards and to comply with occupational safety and health standards,

as determined by the U.S. Department of Labor Occupational Safety and Health Administration (OSHA).

1.05 LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC

A. Disaster Preparedness

1. General:

- a. During periods in which any portion of Miami-Dade County is designated by the National Oceanic and Atmospheric Administration's National Hurricane Center as being under a Tropical Storm Watch or greater, Contractor shall perform all precautions as necessary to safeguard the Work and property, including the removal of all small equipment and materials from the site, securing all other equipment and materials to each other and to rigid construction, and any other safety measures as may be directed by Engineer.

2. Upon Notification of a Tropical Storm or Hurricane Watch:

- a. Engineer will provide formal notification to Contractor to prepare and submit for approval a Plan of Action for the specific actions to be taken on their particular projects.

3. Upon Notification of a Tropical Storm or Hurricane Warning:

- a. Engineer will provide formal notification to Contractor to implement the approved Plan of Action to protect the Project and the public.
- b. For construction projects within the public right-of-way, Contractor will be notified by Engineer to suspend his construction operations. Contractor will backfill all open trenches, remove all construction equipment and materials from the right-of-way, remove unnecessary traffic barricades and signs, and secure remaining barricades by "half burial" or "double sand bags."

4. Storm or Disaster Services:

- a. Contractor, by accepting the award of this Contract, recognizes and agrees that should a storm or other severe and catastrophic natural disaster affect the Miami-Dade-County area during the performance of the work, Contractor shall provide services contracted for during the contract period, at the Contract unit prices and at the same or different locations from those covered by this Contract.
- b. For emergency services and conditions not addressed by this Contract, Contractor agrees to negotiate reasonable prices and terms with the County for any disaster-relief work required by the County. In all instances, Contractor agrees to negotiate reasonable time extensions for performance of disaster-relief work.

B. Laws to be Observed

1. General:

- a. Become familiar with and comply with all applicable Federal, State, County, and city laws, by-laws, ordinances, and regulations that control the action or operation of those engaged or employed in the Work or that affect materials used. Pay particular attention to the applicable safety regulations promulgated by the U.S.

Department of Labor, Occupational Safety and Health Administration (OSHA). In addition, comply with Chapter 403, F.S. (Florida Statutes), regarding control of air pollution. Direct special attention to that portion of Chapter 17-5, F.A.C. (Florida Administrative Code), pertaining to open burning in land clearing operations. Where work or structures included in the Contract are in "Navigable Waters of the U.S.," (reference 33 of the Code of Federal Regulations, Part 329); "Waters of the U.S.," (reference 33 of the Code of Federal Regulations, Parts 323 and 328); or "Waters of the State," (reference Part 4, Chapters 253 and 373 of the Florida Statutes and Section 62-340, F.A.C.); comply with the regulatory provisions of Section 404 of the Federal Clean Water Act of 1977; Sections 9 and 10 of the Federal River and Harbor Act of 1899; Chapter 161, F.S.; and any local authority having jurisdiction over such waters.

- b. Obtain certification from the Construction Industry Licensing Board as required by Part I, Chapter 489, F.S., regardless of exemptions allowed by Section 489.103, F.S., prior to removing underground pollutant storage tanks. Dispose of tanks and pollutants in accordance with the requirements and regulations of any Federal, State, or local, agency having jurisdiction.
- c. Prior to building construction or renovation, provide copies of current registrations or certifications issued by the Florida Construction Industry Licensing Board in accordance with Chapter 489, F.S. for the appropriate category of construction.
- d. Corporations must be registered with the State of Florida, Department of State, Division of Corporations, and hold a current State Corporate Charter Number in accordance with Chapter 607, F.S.
- e. Contractor or the authorized subcontractor applying any roofing material must be licensed or be an approved dealer and applicator of the proposed roofing material.
- f. Indemnify, defend, and save harmless the County and all of its officers, agents, and employees, in the amount of the Contract price, against all claims or liability arising from or based on the violation of any such laws, by-laws, ordinances, regulations, order, or decrees; whether by himself or his employees.

2. Plant Quarantine Regulations: The U.S. Department of Agriculture and the Florida Department of Agriculture and Consumer Services have issued quarantine regulations pertaining to control of the nematodes of citrus, Rule 5B-44, Florida Administrative Code, and other plant pests. Contact the local (or other available) representatives of the Animal and Plant Health Inspection Service of the U.S. Department of Agriculture, and the Division of Plant Industry of the Florida Department of Agriculture and Consumer Services to ascertain all current restrictions regarding plant pests that are imposed by these agencies. Keep advised of current quarantine boundary lines throughout the construction period.

- a. These restrictions may affect operations in connection with such items as clearing and grubbing, earthwork, grassing and mulching, sodding, landscaping, and other items which might involve the movement of materials containing plant pests across quarantine lines.
- b. Obtain quarantine regulations and related information from the following:

Animal and Plant Health Inspection Service
U.S. Department of Agriculture
3029 Lake Alfred Road
Winter Haven, Florida 33881

Director, Division of Plant Industry
Florida Department of Agriculture and Consumer
Services
Post Office Box 147100
Gainesville, Florida 32614-7100

3. Introduction or Release of Prohibited Aquatic Plants, Plant Pests, or Noxious Weeds:

- a. Do not introduce or release prohibited aquatic plants, plant pests, or noxious weeds into the project limits as a result of clearing and grubbing, earthwork, grassing and mulching, sodding, landscaping, or other such activities. Immediately notify Engineer upon discovery of all prohibited aquatic plants, plant pests, or noxious weeds within the project limits. Do not move prohibited aquatic plants, plant pests, or noxious weeds within the project limits or to locations outside of the project limits without Engineer's permission. Maintain all borrow material brought onto the project site free of prohibited aquatic plants, plant pests, noxious weeds, and their reproductive parts. Refer to Rule 16C-52 and Rule 5B-57, F.A.C. for the definition of prohibited aquatic plants, plant pests, and noxious weeds.
- b. Furnish Engineer, prior to incorporation into the Project, with a certification from the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, stating that the sod, hay, straw, and mulch materials are free of noxious weeds, including Tropical Soda Apple.

4. Compliance with Federal Endangered Species Act and other Wildlife Regulations:

- a. In cases where protected, threatened or endangered species may unexpectedly be found or appear within close proximity to the project boundaries, the FDOT has established guidelines that will apply when interaction with certain species occurs, absent of any special mitigation measures or permit conditions otherwise identified for the project. These guidelines are posted at the following URL address: www2.dot.state.fl.us/specificationsestimates/federal/endangeredwildlifeguidelines.pdf. Take responsibility to obtain this information and take all actions and precautions necessary to comply with the conditions of these guidelines and Federal regulations during all Project activities.
- b. In the event of a potential impact to a protected, threatened or endangered species and mitigation measures or permits are necessary, coordinate with the appropriate resource agencies for clearance, obtain permits and perform mitigation measures as necessary. Immediately notify Engineer in writing of the results of this coordination with the appropriate resource agencies. Additional compensation or time will not be allowed for permitting or mitigation, associated with Contractor initiated off-project activities.

5. Occupational Safety and Health Requirements: Contractor shall take all precautions necessary for the protection of life, health, and general occupational

welfare of all persons, including employees of both Contractor and the County, until Contractor has completed the work required under the Contract. Comply at all times with applicable Federal, State, and local laws, provisions, and policies governing safety and health, including 29 CFR 1926, including all subsequent revisions and updates.

6. Discovery of an Unmarked Human Burial: When an unmarked human burial is discovered, immediately cease all activity that may disturb the unmarked human burial and notify Engineer. Do not resume activity until specifically authorized by Engineer.
7. Insecticides and Herbicides: Use products approved by the Florida Department of Agriculture for the State of Florida, found on the following website www.flpesticide.us/. The use of restricted products is prohibited. Do not use any products in the sulfonylurea family of chemicals. Herbicide application by broadcast spraying is not allowed.
 - a. Procure any necessary licenses, pay all charges and fees, and give all notices necessary for lawful performance of the work.
 - b. Ensure that all employees applying insecticides and herbicides possess a current Florida Department of Agriculture Commercial Applicator license with the categories of licensure in Right-of-Way Pest Control and Aquatic Pest Control. Provide a copy of current certificates upon request, to Engineer.
 - c. Ensure that employees who work with herbicides comply with all applicable Federal, State, and local regulations.
 - d. Comply with all regulations and permits issued by any regulatory agency within whose jurisdiction work is being performed. Post all permit placards in a protected, conspicuous location at the work site.
 - e. Acquire any permits required for work performed on the rights-of-way within the jurisdiction of National Forests in Florida. Contact the Local National Forest Ranger District, or the United States Department of Agriculture (USDA) office for the proper permits and subsequent approval.
 - f. Acquire all permits required for aquatic plant control as outlined in Chapter 62C-20, F.A.C., Rules of the Florida Department of Environmental Protection. Contact the Regional Field Office of Bureau of Invasive Plant Management of the Florida Department of Environmental Protection for proper permits and subsequent approval. If application of synthetic organo-auxin herbicides is necessary, meet the requirements of Chapter 5E-2, F.A.C.

C. Permits and Licenses

1. General:

- a. Except for permits procured by the Department, as incorporated by Special Provision to this Contract, if any, procure all permits and licenses, pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the Work.
- b. The Department will also acquire any modifications or revisions to an original permit incorporated by Special

Provision to this Contract when Contractor requires such modifications or revisions to complete the construction operations specified in the Plans or Special Provisions and within the right-of-way limits.

- c. Contractor must obtain all other permits required for this Project prior to commencing the Work. This includes permits required by other municipalities and agencies, permits to work in the Right-of-Way, and those required for the removal or relocation of trees.
 - d. The actual amount paid for the permits will be reimbursed to Contractor from a dedicated allowance established by the County. If no dedicated allowance is specified the reimbursement shall be paid from the Contract's Contingency Allowance. Original receipts must be presented to Engineer for approval.
 - e. Contractor must give all notices, pay all fees and comply with all laws, rules and regulations applicable to the Work at no additional cost.
 - f. Acquire all permits for work performed outside the right-of-way or easements for the Project.
 - g. In carrying out the work in the Contract, when under the jurisdiction of any environmental regulatory agency, comply with all regulations issued by such agencies and with all general, special, and particular conditions relating to construction activities of all permits issued to the Department as though such conditions were issued to Contractor. Post all permit placards in a protected location at the worksite.
 - h. In case of a discrepancy between any permit condition and other Contract Documents, the more stringent condition shall prevail.
2. Additional Contractor Requirements For Work With Traffic Control Devices or Street Lighting
- a. In addition to the license(s) required of Contractor, all personnel engaged in installing, modifying, repairing, removing or maintaining; roadway street lighting systems; traffic signalization; or any other electrical/electronic traffic control device in Miami-Dade County must:
 - 1) Perform work under the direction of a Master Electrician that is present at the job site or able to respond within 2 hours of notification (4 hours for roadway street lighting systems).
 - 2) Perform all work under the direct supervision of a Journeyman Electrician. For Traffic Signalization or Control Devices the Journeyman Electrician must be certified as an International Municipal Signal Association (IMSA) certified Traffic Signal Technician (TST) Level II or Level III. All work related at or pertaining to the controller must be performed by an IMSA certified TST Level II (Field).
 - 3) Have in their possession a wallet size card or a photocopy of their certifications and licenses. Failure to provide said documents will be cause for removal of employee from the work site, issuance of citations, and shutdown of the Work by the County.
 - b. At the Preconstruction Conference, provide Engineer and the DTPW, Traffic Signal & Signs Division (7100 NW 36 Street, Miami, FL 33166) a signed affidavit affirming that the personnel performing the work

described herein have all proper and valid licenses and certifications (County, State, Private or other Government Agency) required to perform the Work. Attach a list of employees assigned to this Project with a description of their duties and include copies of all of the required licenses and certifications for the Contractor and personnel performing the Work. Changes to authorized personnel must be approved by the Engineer.

- c. Provide copies of renewed licenses and certifications prior to their expiration.
3. Work or Structures in Navigable Waters of the U.S., Waters of the U.S., and Waters of the State:
- a. In general, one or more governmental agencies will exercise regulatory authority over work or structures, including related construction operations, in all tidal areas (Channelward of the mean high water lines); in the ocean and gulf waters to the outer limits of the continental shelf; in all rivers, streams, and lakes to the ordinary high water line; in marshes and shallows that are periodically inundated and normally characterized by aquatic vegetation capable of growth and reproduction; in all artificially created channels and canals used for recreational, navigational, or other purposes that are connected to navigable waters; and in all tributaries of navigable waters up to their headwaters.
 - b. Whenever the work under or incidental to the Contract requires structures or dredge/fill/construction activities in "Navigable Waters of the U.S.," "Waters of the U.S.," and "Waters of the State," the Federal, State, county, and local regulatory agencies may require the Department to obtain a permit. For such dredge/fill /construction specified in the plans to be accomplished within the limits of the project, or for any dredge/fill/construction within the limits of Department-furnished borrow areas, the Department will procure the necessary permits prior to advertising for bids.

D. Patented Devices, Materials and Processes

1. Include all royalties and costs arising from patents, trademarks, and copyrights, in any way involved in the work in the Contract price. Whenever using any design, device, material, or process covered by letters patent or copyright, obtain the right for such use by suitable legal agreement with the patentee or owner of the copyright. File a copy of such agreement with Engineer. However, whether or not such agreement is made or filed as noted, Contractor and the surety in all cases shall indemnify, defend, and save harmless, the County from all claims for infringement by reason of the use of any such patented design, device, material, or process on work under the Contract, and shall indemnify the County for all costs, expenses, and damages that it may be obliged to pay by reason of any such infringement, at any time during the prosecution or after the completion of the Work.

E. Right-of-Way Furnished by the Department

1. Except as otherwise stipulated in these Specifications or as shown in the Plans, the Department will furnish all rights-of-way necessary for the proper completion of the Work at no expense to Contractor.

F. Sanitary Provisions

1. Contractor shall provide and maintain, in a neat and sanitary condition, such accommodations for the use of his employees as are necessary to comply with the requirements and regulations of the State and local boards of health. Commit no public nuisance.

G. Control of Contractor's Equipment

1. Traffic Interference: Do not allow equipment, while it is on or traversing a road or street, to unreasonably interfere with traffic.
2. Overloaded Equipment: Do not operate on any road or street any hauling unit or equipment loaded in excess of (1) the maximum weights specified in the Florida Uniform Traffic Control Law, or (2) lower weights legally established for any section of road or bridge by the State, the Department, or local authorities. The governmental unit having jurisdiction over a particular road or bridge may provide exceptions by special permit under the provisions provided below for Crossings. This restriction applies to all roads and bridges inside and outside the Contract limits as long as these roads and bridges are open for public use. Contractor may overload roads and bridges which are to be demolished after they are permanently closed to the public. Contractor is responsible for all loss or damages resulting from equipment operated on a structure permanently closed to the public.
3. Crossings: Where it is necessary to cross an existing road or street, including specifically the existing traveled lanes of a divided highway within the limits of the Project, obtain permits from the Municipality, the Department or FDOT depending on the location, for crossing overloaded or oversized equipment. Cross existing roads or streets only at Engineer-designated points. Engineer may require Contractor to protect the pavement or Roadway at the crossing by using lumber, planks, or fill. Provide flagging and watchman service, or approved signal devices, for the protection of traffic at all such crossings, in accordance with an approved written plan for that activity.
4. Protection from Damage by Tractor-Type Equipment: Take positive measures to ensure that tractor-type equipment does not damage the road. If any such damage should occur, repair it without delay, at no expense to the County and subject to Engineer's approval.

H. Contractor's Equipment on Bridge Structures

1. The Specialty Engineer shall determine the effect that equipment loads have on the bridge structure and develop the procedures for using the loaded equipment without exceeding the structure's design load capacity.
2. A completed bridge structure is a bridge structure in which all elemental components comprising the load carrying assembly have been completed, assembled, and connected in their final position. The components to be considered shall also include any related members transferring load to any bridge structure.

3. The Specialty Engineer shall analyze the effect of imposed loads on bridge structures, within the limits of a construction contract, resulting from the following operations:
 - a. Overloaded Equipment as defined above operating on or crossing over completed or partially completed bridge structures.
 - b. Equipment within legal load limits operating on or crossing over partially completed bridge structures.
 - c. Construction cranes operating on completed or partially completed bridge structures.
4. Submit to the Department for approval three copies of design calculations, layout drawings, and erection drawings showing how the equipment is to be used so that the bridge structure will not be overstressed. The Specialty Engineer shall sign and seal one set of the three copies of the drawings and the cover sheet of one of the three copies of the calculations for the Department's Record Set.
5. Any pipe culvert(s) or box culvert(s) qualifying as a bridge by definition is excluded from the requirements above.
6. Posting of the Legal Gross Vehicular Weight: Display the maximum legal gross weight, as specified in the Florida Uniform Traffic Code, in a permanent manner on each side of any dump truck or dump type tractor-trailer unit hauling embankment material, construction aggregates, road base material, or hot bituminous mixture to the project over any public road or street. Display the weight in a location clearly visible to the scale operator, in numbers that contrast in color with the background and that are readily visible and readable from a distance of 50 feet.

I. Structures over Navigable Waters

1. Compliance with Federal and Other Regulations:
 - a. Where erecting structures in, adjacent to, or over, navigable waters, observe all regulations and instructions of Federal and other authorities having control over such waters. Do not obstruct navigation channels without permission from the proper authority, and provide and maintain navigation lights and signals in accordance with the Federal requirements for the protection of the structure, of false work, and of navigation.
 - b. In the event of accidental blocking of the navigation channel, immediately notify the U.S. Coast Guard of the blockage and upon removal of the blockage.
 - c. When work platforms are indicated in the permit for construction, submit work platform construction plans to the appropriate Coast Guard District for approval. Obtain approval prior to beginning construction on the platform.
2. Maintenance of Channel: Where the work includes the excavation of a channel or other underwater areas to a required section, maintain the section from shoaling or other encroachment until final acceptance of the project.

J. Manatee Protection

1. This Subarticle applies to work in tidal waters, major canals, bodies of water where manatees have been recently spotted, or where required by any regulatory permit applicable to this Project:
 - a. Instruct all personnel associated with the Project about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. Advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
 - b. Operate all vessels associated with the construction project at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
 - c. Properly secure and regularly monitored all siltation or turbidity barriers to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement. Siltation or turbidity barriers must be made of material in which manatees cannot become entangled.
 - d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
 - e. Report any collision with or injury to a manatee immediately to the FWC Hotline at 1-888-404-3922. In addition, report collision and/or injury to the U.S. Fish and Wildlife Service in Vero Beach (1-772-562-3909), and to FWC at ImperiledSpecies@myFWC.com
 - f. Post, facing the water, temporary signs concerning manatees prior to and during all in-water project activities. One sign which reads "Caution: Boaters" must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Use temporary signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used (see MyFWC.com/manatee). Questions concerning these signs can be sent to the email address listed above. Remove all signs upon completion of the Project.
 - g. Comply with all manatee protection requirements of regulatory permits applicable to this Project.

K. Forest Protection

1. Compliance with State and Federal Regulations: In carrying out work within or adjacent to State or National forests or parks, comply with all of the regulations of the State or Federal authority having jurisdiction, governing the protection of and the carrying out of work in forests or

parks, and observe all sanitary laws and regulations with respect to the performance of work in these areas. Keep the areas in an orderly condition, dispose of all refuse, and obtain permits for the construction, installation, and maintenance of any construction camps, living quarters, stores, warehouses, sanitary facilities, and other structures; all in accordance with the requirements of the forest or park official.

2. Prevention and Suppression of Forest Fires: Take all reasonable precautions to prevent and suppress forest fires. Require employees and subcontractors, both independently and at the request of forest officials, to do all reasonably within their power to prevent and suppress forest fires. Assist in preventing and suppressing forest fires, and make every possible effort to notify a forest official at the earliest possible moment of the location and extent of all fires. Extinguish the fire if practicable.

L. Preservation of Property

1. General:

- a. Protect all geodetic monuments, horizontal or vertical, located within the limits of construction.
- b. All street name signs shall remain in place during time of construction except those required to be relocated due to interference with actual construction. All signs relocated or damaged by Contractor during the course of the work shall be re-installed or replaced at the proper location, as soon as possible at Contractor's expense.
- c. Prior to the removal of any traffic control signs that interfere with the construction, Contractor shall provide temporary signing or other provisions to assure a continuous flow of traffic under at least the same conditions as previously existed.
- d. All signs that are found to be unserviceable shall be reported to the Miami-Dade County Department of Transportation and Public Works, Traffic Signals & Signs Division, at (305) 592-3580, prior to the commencement of work.

2. Contractor's Use of Streets and Roads:

- a. When hauling materials or equipment to the project over roads and bridges on the State road system, County road system, or city street system, and such use causes damage, immediately, at no expense to the County, repair such road or bridge to as good a condition as before the hauling began.
- b. The Department may modify the above requirement in accordance with any agreement Contractor might make with the governmental unit having jurisdiction over a particular road or bridge, provided that Contractor submits written evidence of such agreement to Engineer prior to commencement of the Work.
- c. The use of public streets and alleys shall be such as to provide a minimum of inconvenience to the public and to other traffic. Contractor shall so conduct his operations that he shall not close any thoroughfare nor interfere in any way with traffic on railway, highways, or on water, without the written consent of the proper authorities.

- d. Contractor must immediately remove any earth or other excavated material spilled from trucks and clean the streets to the satisfaction of the governing authority.
 - e. The Department has not made any attempt to define the equipment to be used in transporting the excavated material since this may vary, however, Contractor shall abide by the following general requirements:
 - 1) Transport vehicles must be of the type(s) approved for this application by the political jurisdiction involved.
 - 2) General requirements are that the vehicles have watertight bodies that they are properly equipped and fitted with seals and covers to prohibit material spillage or draining, and that they are cleaned as often as is necessary to prevent deposit of material on roadways.
 - 3) Vehicles must be loaded within all legal weight limits and operated safely within all traffic and speed regulations.
 - f. The Department will not allow the operation of equipment or hauling units of such weight as to cause damage to previously constructed elements of the project, including but not necessarily limited to bridges, drainage structures, base course, and pavement.
 - g. Do not operate hauling units or equipment loaded in excess of the maximum weights specified for Overloaded Equipment on existing pavements that are to remain in place (including pavement being resurfaced), cement-treated subgrades and bases, concrete pavement, any course of asphalt pavement, and bridges.
 - h. Engineer may allow exceptions to these weight restrictions for movement of necessary equipment to and from its worksite, for hauling of offsite fabricated components to be incorporated into the Project, and for crossings as specified in the Contract Documents.
3. Protection of Existing Utility Poles:
- a. Ensure that existing utility poles are properly protected during installation of pipes and structures and must coordinate with the utility pole owner any safeguards necessary to protect the utility pole, including bracing of the pole, if necessary. All costs for protection of utility poles and any costs for the temporary bracing by the utility pole owner shall be the responsibility of Contractor and shall be considered incidental to and included in the Contract prices.
4. Traffic Signs, Signal Equipment, Highway Lighting and Guardrail:
- a. Protect all existing roadside signs, signal equipment, highway lighting and guardrail, for which permanent removal is not indicated, against damage or displacement. Whenever such signs, signal equipment, highway lighting or guardrail lie within the limits of construction, or wherever so directed by Engineer due to urgency of construction operations, take up and properly store the existing roadside signs, signal equipment, highway lighting and guardrail and subsequently reset them at their original locations or, in the case of widened pavement or roadbed, at locations designated by Engineer.
- b. If the Department determines that damage to such existing or permanent installations of traffic signs, signal equipment, highway lighting or guardrail is caused by a third party, and is not otherwise due to any fault or activities of Contractor, the Department will, with the exception of any damage resulting from vandalism, compensate Contractor for the costs associated with the repairs. Repair damage caused by vandalism at no expense to the County.
5. Operations Within Railroad Right-of-Way:
- a. Notification to the Railroad Company: Notify the superintendent of the railroad company, as shown on the Plans, and Engineer at least 72 hours before beginning any operation within the limits of the railroad right-of-way; any operation requiring movement of employees, trucks, or other equipment across the tracks of the railroad company at other than an established public crossing; and any other work that may affect railroad operations or property.
 - b. Contractor's Responsibilities: Comply with whatever requirements an authorized representative of the railroad company deems necessary in order to safeguard the railroad's property and operations. Contractor is responsible for all damages, delays, or injuries and all suits, actions, or claims brought on account of damages or injuries resulting from Contractor's operations within or adjacent to railroad company right-of-way.
 - c. Watchman or Flagging Services: The railroad company will furnish protective services (i.e., watchman or flagging services) to ensure the safety of railroad operations during certain periods of the project. The Department will reimburse the railroad company for the cost thereof. Schedule work that affects railroad operations so as to minimize the need for protective services by the railroad company.
6. Utilities:
- a. General:
 - 1) Contact the Sunshine State One Call of Florida, Inc. at 1-800-432-4770 and other affected utility owners at least 48 hours prior to commencing any trenching or excavation work on this Project.
 - 2) Make all necessary arrangements with the utility companies concerned for maintenance of their lines during the construction period. In the event that a relocation of utilities is required, but has not been accomplished prior to the effective date of the "Notice to Proceed," Contractor nevertheless must commence work under this Contract, and must schedule his work to avoid interference with the utility relocation work.
 - 3) County will not be liable for any delay or added expense the Contractor experiences due to the activities of utility companies, nor shall the County be held responsible for any damages to any utilities due to any actions by Contractor.
 - b. Arrangements for Protection or Adjustment:
 - 1) Do not commence work at points where the construction operations are adjacent to utility facilities or other property, until making arrangements

with the utility facilities to protect against damage that might result in expense, loss, disruption of service, or other undue inconvenience to the public or to the owners. Contractor is solely and directly responsible to the owners and operators of such properties for all damages, injuries, expenses, losses, inconveniences, or delays caused by Contractor's operations.

- 2) The Department will make the necessary arrangements with utility owners for removal or adjustment of utilities where Engineer determines that such removal or adjustment is essential to the performance of the required construction. The Department will not consider relocation or adjustment requests based on Contractor's proposed use of a particular method of construction or a particular type of equipment as essential to the construction of the Project if Contractor could use other common methods and equipment without relocating or adjusting the utility. Engineer will determine the responsibility for any such required adjustments of utilities. Contractor shall make all requested relocations or adjustments because of delivery to the job site of Contractor-furnished materials, at no expense to the County.
- 3) The Department considers relocations and adjustments (or other protection) under the following circumstances as essential to the construction of the Project:
 - a) Utilities lying within the vertical and horizontal construction limits, plus the reasonably required working room necessary for operation of equipment normally used for the particular type of construction, all as determined by Engineer (and except as provided in paragraph (d) below). (In the case of overhead electrical conductors that carry more than 400 Volts, a minimum of 10 feet clearance between the conductor and the nearest possible approach of any part of the equipment is required, except where the utility owner effects safeguards approved by OSHA.)
 - b) Utilities lying within the horizontal limits of the project and within 12 inches below the ground surface or the excavation surface on which Contractor operates construction equipment, or within 12 inches below the bottom of any stabilizing course specified in the Plans.
 - c) Utilities lying within the normal limits of excavation for underground drainage facilities or other structures (except as provided in paragraph (d) below). Such normal limits shall extend to side slopes along the angle of repose, as established by sound engineering practice, unless the Contract Documents require support of the excavation sides by sheeting or Contractor elects to sheet such excavation for his own convenience.
 - d) Where utilities cross pipe trenches transversely within the excavation area, but not within positions from which relocation or removal is necessary, the utility owner is responsible for providing and effecting all reasonable measures for their support and protection during construction

operations. Cooperate with the utility owner in the owner's effecting of such support and protective measures. Contractor is responsible for all damage to the utility that is caused by Contractor's neglect or failure to cooperate or to use proper precaution in performing his work.

- 4) In the event that a temporary relocation of a utility or a particular sequence of timing in the relocation of a utility is necessary, Engineer will direct such relocation so as to cause the least impediment to the overall construction operations. The Department is not responsible for utility adjustments or temporary relocation work, or for the conditions resulting therefrom, where such adjustments are:
 - a) Not necessitated by the construction of the Project,
 - b) Done solely for the benefit or convenience of the utility owner or its contractor, or Contractor where the Department considers his construction procedures to be other than normal, or
 - c) Not shown on the approved plans for the utility relocation or the construction of the Project.
- c. Cooperation with Utility Owners:
 - 1) Cooperate with the owners of all underground or overhead utility lines in their removal and rearrangement operations in order that these operations may progress in a reasonable manner, that duplication or rearrangement work may be reduced to a minimum, and that services rendered by the utility owners will not be unnecessarily interrupted.
 - 2) In the event of interruption of water or other utility services as a result of accidental breakage, exposure, or lack of support, promptly notify the proper authority and cooperate with the authority in the prompt restoration of service. If water service is interrupted and Contractor is performing the repair work, Contractor shall work continuously until the service is restored. Do not begin work around fire hydrants until the local fire authority has approved provisions for continued service.
- d. Utility Adjustments:
 - 1) Certain utility adjustments and reconstruction work may be underway during the progress of the Contract. If known prior to award, the Department will include in the Contract documents the utility authorities who are scheduled to perform utility work on the Project.
 - 2) Cooperate with the various utility construction crews who are maintaining utility service.
 - 3) Exercise due caution when working adjacent to relocated utilities. Repair all damage to the relocated utilities resulting from his operations at no expense to the County.
 - 4) Protect utility facilities in accordance with the requirements of the Contract Documents and the owner.
- e. Weekly Meetings:

- 1) Conduct weekly meetings on the job site with all the affected utility companies and Engineer in attendance to coordinate project construction and utility relocation. Submit a list of all attendees one week in advance to Engineer for approval.
- 2) Provide the approved Work Progress Schedule and Work Plan for the Project, as specified in the Contract Documents, to document the schedule and plan for road construction and utility adjustments.
- 3) When utility relocations no longer affect construction activities, Contractor may discontinue the meetings with Engineer's approval.

M. Responsibility for Damages, Claims, etc.

1. Contractor to Provide Indemnification:

- a. Contractor shall indemnify and hold harmless the County, its officers and employees from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of Contractor and persons employed or utilized by Contractor in the performance of the construction Contract.
- b. It is specifically agreed between the parties executing this Contract that it is not intended by any of the provisions of any part of the Contract to create in the public or any member thereof, a third party beneficiary hereunder, or to authorize anyone not a party to this Contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Contract.

2. Guaranty of Payment for Claims: Contractor guarantees the payment of all just claims for materials, supplies, tools, or labor and other just claims against him or any subcontractor, in connection with the Contract. The Department's final acceptance and payment does not release Contractor's bond until all such claims are paid or released.

N. Contractor's Responsibility for Work

1. Until the Department's acceptance of the work, take charge and custody of the work, and take every necessary precaution against injury or damage to the work by the action of the elements or from any other cause whatsoever, arising either from the execution or from the nonexecution of the work. Rebuild, repair, restore, and make good, without additional expense to the Department, all injury or damage to any portion of the work occasioned by any of the above causes before its completion and acceptance, except that in case of extensive or catastrophic damage, the Department may, at its discretion, reimburse Contractor for the repair of such damage due to unforeseeable causes beyond the control of and without the fault or negligence of Contractor, including but not restricted to Acts of God, of the public enemy, or of governmental authorities.

O. Opening Sections of Roadway to Traffic

1. Whenever any bridge or section of roadway is in an acceptable condition for travel, Engineer may direct Contractor to open it to traffic. The Department's direction to open a bridge or roadway does not constitute an acceptance of the bridge or roadway, or any part thereof, or waive any Contract provisions. Perform all necessary repairs or renewals, on any section of the roadway or bridge thus opened to traffic under instructions from Engineer, due to defective material or work or to any cause other than ordinary wear and tear, pending completion and Engineer's acceptance of the roadway or bridge, or other work, at no expense to the County.

P. Scales for Weighing Materials

1. Applicable Regulations: When determining the weight of material for payment, use scales meeting the requirements of Chapter 531, F.S., pertaining to specifications, tolerances, and regulations, as administered by the Bureau of Weights and Measures of the Florida Department of Agriculture.
2. Base for Scales: Place such scales on a substantial horizontal base to provide adequate support and rigidity and to maintain the level of the scales.
3. Protection and Maintenance: Maintain all scale parts in proper condition as to level and vertical alignment, and fully protect them against contamination by dust, dirt, and other matter that might affect their operation.

Q. Source of Forest Products

1. As required by Section 255.20, F.S., where price and quality are equal, and when available, use only timber, timber piling, or other forest products that are produced and manufactured in the State of Florida. This provision does not apply to Federal-aid projects.

R. Dust Control

1. Dust control measures are required as necessary to prevent the surface and air transport of dust from any construction activity performed under this contract. This may include but is not limited to: Pre-watering deeply before excavation; scheduling thorough and consistent watering that does not run off the site; applying best management practices in the loading, offloading, and transport of soils and miscellaneous materials; covering or otherwise stabilizing piles when necessary; and planning schedules so control measures are available throughout the project.
2. Ensure that excessive dust is not transported beyond the limits of construction in populated areas. Contractor may control dust for embankments or other cleared or unsurfaced areas by applying water, as directed by Engineer. When included in the Plans, install mulch, seed, sod, or temporary paving as early as practical. Control dust during the storage and handling of dusty materials by wetting, covering, or other means as approved by Engineer.
3. When cutting through concrete, care should be exercised to prevent dust from becoming air borne. Contractor must use an engineering control such as the use of a wet

saw or dust collector. Engineer shall have the final determination when in a particular circumstance this is not feasible, and the concrete must be cut dry.

4. No separate item for dust control measures is included for payment in this Contract. Contractor must consider the cost of any dust control measures that is necessary for the proper construction of the Project as included in the Contract price for items of work for which dust control measures are required.

S. Dredging and Filling

1. Section 370.033, F.S., requires that all persons, who engage in certain dredge or fill activities in the State of Florida, obtain a certificate of registration from the Florida Department of Environmental Protection, Tallahassee, Florida 32301, and that they keep accurate logs and records of all such activities for the protection and conservation of the natural resources. Obtain details as to the application of this law from the Department of Environmental Protection and contact local regulatory agencies for additional applicable requirements.

T. Contractor's Motor Vehicle Registration

1. Provide the Department with proof that all motor vehicles operated or caused to be operated by such Contractor are registered in compliance with Chapter 320, F.S. Submit such proof of registration in the form of a notarized affidavit to the Department.
2. The Department will not make payment to Contractor until the required proof of registration is on file with the Department.

1.06 PROSECUTION AND PROGRESS

A. Subletting Or Assigning The Contract

1. Contractor must perform, with its own organization, contract work amounting to not less than 40 percent (or a greater percentage if specified elsewhere in the Contract Documents) of the total original contract price, excluding any specialty items designated by the County. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization.
 - a. "Its own organization" is construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.
 - b. "Specialty Items" is construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.
2. The contract amount, upon which the requirements set forth in this Subarticle is computed, includes the cost of

material and manufactured products which are to be purchased or produced by the Contractor under the provisions of the Contract.

3. Contractor must furnish:

- a. A competent superintendent or supervisor who is employed by its firm, has full authority to direct performance of the Work in accordance with the Contract requirements, and is in charge of all construction operations (regardless of who performs the work); and
- b. Such other of its own organizational resources (supervision, management, and engineering services) as the Engineer determines is necessary to assure the performance of the Contract.

B. Notice to Proceed

1. Unless otherwise agreed to by the parties, the Department may issue the Notice to Proceed within 30 Days after all conditions for Contract execution have been met. The Notice to Proceed will identify the date Contractor is to begin the construction and will start the Contract Time.

C. Project Signs

1. Project Signs will be provided by Miami-Dade County Internal Services Department (ISD) at no cost to Contractor.
2. The type, location, and number of signs required per each work site shall be at the discretion of Engineer.
3. No work shall commence until the Project Signs are secured in place as directed by Engineer.
4. Maintain and Relocate Project Signs.
 - a. Maintain and relocate Project Signs throughout the duration of the Contract, as directed by Engineer and at no additional cost to Miami-Dade County.
 - b. Install relocated Project Signs as required by Engineer. All materials and work necessary to secure, brace, mount, place, and maintain the Project Signs will be provided at Contractor's expense.
 - c. Notify Engineer immediately if at any time, during the Contract duration, a Project Sign becomes damaged, defaced, or unreadable. If Engineer determines that a replacement sign is required, Engineer will request it from ISD.
5. Upon completion of the Contract or at any time as directed by Engineer, deliver all available Project Signs to the designated ISD facility.
6. No separate payment will be made for the activities described above.

D. Schedule Of Values

1. A Schedule of Values is required for any Stipulated (Lump) sum contract, or for major lump sum items on Unit price contracts for which Contractor requests progress payments.

2. Upon notification of intent to Award and prior to the Notice to Proceed, submit to Engineer for review and approval, a preliminary Schedule of Values that:
 - a. Logically subdivides the Work into component parts with sufficient detail to serve as the basis for progress payments during performance of the Work and correlates to the Work Progress Schedule.
 - b. Includes quantities and prices of items for all of the Work which when added together equal either the Contract Base Award Amount for a Stipulated sum contract or the Contract Price for a major lump sum item in a Unit price contract.
 - c. Separately identifies the scope of work to be performed by any SBE-CONST utilized to satisfy any SBE-CONST goal in the Contract. In addition, payment requisitions for the scope of work of such SBE-CONST shall be accompanied by the statements of completion of the work of the SBE-CONST and shall be accompanied by appropriate documentation including invoicing and checks reflecting payment of the SBE-CONST for the previous construction draw.
3. The Schedule of Values for a Stipulated sum contract will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Base Award Amount to component parts of the Work.
4. When directed by Engineer, submit at least 10 days prior to the next application for progress payment, a revised or updated Schedule of Values to address any changes in the Work.

E. Preconstruction Conference

1. A Preconstruction Conference will be held with Contractor, members of the Department and other Miami-Dade County Agencies, representative of Utility Companies, and other municipalities or contractors affected by the Work. The Department will set the time and place of this conference.
2. Submit the following items to Engineer at the Preconstruction Conference unless otherwise noted:
 - a. Two copies of the proposed Work Progress Schedule. (Provide an updated schedule within 5 days of each Work Order for work order contracts.)
 - b. Contractor's Chain of Authority.
 - c. Contractor's Emergency Telephone Numbers, during work hours, after hours, and on weekend, of Prime and MOT Contractor's Representatives.
 - d. Letter naming Contractor's Superintendent and his qualifications.
 - e. Letter naming Contractor's Work Site Traffic Supervisor and a copy of their respective Certification(s).
 - f. Letter naming Contractor's MOT Flagmen and a copy of their training Certification(s).
 - g. Maintenance of Traffic Plan: Letter outlining the Specific Maintenance of Traffic Plan or Plans that will be used during construction. If the MOT plan is noted in the Construction Plans, Contractor is to affirm in writing that the same shall be followed. MOT plans must be submitted within 5 days of the date of each Work Order for work order contracts.

- h. Shop drawing submittal schedule. To be submitted within 5 days of the date of each Work Order for work contracts.
 - i. List of potential subcontractors and rental agreements.
 - j. Letter listing the material providers for this project, with the respective name and address; and letter certifying the compliance of the material with the project requirements.
 - k. List of equipments to be utilized for construction; including make, model, year, name and description of equipments.
 - l. Contractor's Erosion Control Plan (ECP) pursuant to the requirements of the Contract Documents.
 - m. Lighting plan if Contractor intends to perform any night work.
 - n. All other submittal requirements stipulated in the Contract Documents.

F. Scheduling of the Work

1. Work Progress Schedule.
 - a. Within 21 days after Contract award or at the Preconstruction Conference, whichever is earlier, submit to Engineer for approval two copies of a Work Progress Schedule for this Project. Engineer will review and respond to Contractor within 15 days of receipt.
 - b. The Work progress Schedule must show the various activities of work in sufficient detail to demonstrate a reasonable and workable plan to initiate, construct, and complete all requirements of the Contract Documents within the Contract Duration and must:
 - 1) Include a projected Project completion, measured in dollars and time, on a monthly basis or at each progress payment cutoff date.
 - 2) Identify a date for substantial completion with "sufficient time" between substantial completion and end of Contract Duration for final inspections, final roadway striping if required, development of a punch list by the Engineer, completion of all punch list items by Contractor, final submittals, and any remaining site restoration activities. "Sufficient time," as it pertains solely to this requirement, means no less than 60 days unless otherwise required by the Contract Documents or approved in writing by Engineer.
 - 3) Include the order and interdependence of activities and the sequence for accomplishing the Work including phased restoration of areas impacted by work.
 - 4) Describe activities in sufficient detail so that the Engineer can readily identify the Work and measure the progress of each activity.
 - 5) Show each activity with a beginning work date, activity duration, and a monetary value.
 - 6) Include within the activities the necessary steps for procurement, fabrication, and delivery of materials, plant, and equipment.
 - 7) Include the review time for shop drawings and submittals.

- 8) Include the Critical Path and milestone activities when milestones are required by the Contract Documents.
 - 9) In projects with more than one phase, adequately identify each phase and its substantial completion date, and do not allow phase specific activities to span more than one phase.
- c. Submit with the Work Progress Schedule a narrative report describing current project schedule status and identifying potential delays. This report will include a description of the progress made since the previous schedule submission and objectives for the upcoming 30 calendar days. It will be submitted on 8.5 by 11 inch paper. This report shall at a minimum include the following information:
- 1) Indicate if the Project is on schedule, ahead of schedule or behind schedule. If the Project is ahead of schedule or behind schedule, the report shall include the specific number of calendar days. If the Project is behind schedule, the report shall include a detailed recovery plan that will put the Project back on schedule.
 - 2) The report will describe the current critical path of the Project and indicate if this has changed in the last 30 calendar days. Discuss current successes or problems that have affected either the critical path's length or have caused a shift in the critical path within the last 30 calendar days. Identify specific activities, progress, or events that may reasonably be anticipated to impact the critical path within the next 30 calendar days, either to affect its length or to shift it to an alternate path.
 - 3) List all schedule logic or duration changes that have been made to the schedule since the previous submission. For each change, describe the basis for the change and specifically identify the affected activities by identification number.
 - 4) Identify any and all activities, either in progress or scheduled to occur within the following 30 days that require County participation, review, approval, etc.
- d. Submit, with the Work Progress Schedule, clear documentation demonstrating that all necessary coordination activities with utility owners that have facilities within the limits of construction have been conducted. In addition, incorporate into the work progress schedule any utility adjustment schedules included in the Contract Documents unless the utility company and the Department mutually agree to changes to the utility schedules shown in the Contract.
- e. Engineer will return inadequate schedules to Contractor for corrections. Resubmit a corrected schedule within 15 days from the date of Engineer's return transmittal.
- f. Submit an updated Work Progress Schedule, for Engineer's acceptance, if there is a significant change in the planned order or duration of an activity. Engineer will review the corrected schedule and respond within 7 days of receipt.
- g. By acceptance of the schedule, Engineer does not endorse or otherwise certify the validity or accuracy of the activity durations or sequencing of activities.
- Engineer will use the accepted schedule as a baseline against which to measure the progress.
- h. If Contractor fails to finalize either the initial or a revised schedule in the time specified, Engineer will withhold all Contract payments until Engineer accepts the schedule.
2. Weekly Work Progress Meetings:
- a. Coordinate weekly meetings to discuss Contract progress with Engineer including near term scheduled activities, utility relocations, and problems and their proposed solutions.
 - b. Submit a Two-Week "Look Ahead" Planning Schedule at each weekly meeting, showing the items of work planned for the next two weeks. Develop the schedule in Bar Chart format, identifying current and planned activities and related Contract Schedule work activities, including subcontractor work. Designate all activities that are controlling work items as determined by the currently accepted Contract Schedule.
 - c. A report shall be submitted at each weekly meeting identifying schedule activity progress including actual start or finish dates achieved for any activities.
3. Prosecution of the Work.
- a. Give the Work the constant attention necessary to ensure the scheduled progress, and cooperate fully with Engineer and with other contractors at work in the vicinity.
 - b. Do not commence work under the Contract until after the Department has issued the Notice to Proceed. Thereafter, commence the Work and continue all work in an expeditious manner to a conclusion acceptable to Engineer and in accordance with the approved Work Progress Schedule.
 - c. All requirements of the Contract, including completion of punch list items and final deliverables, must be completed during the Contract Duration.
 - d. Compliance with Time Requirements: Commence work in accordance with the approved Work Progress Schedule and provide sufficient labor, materials and equipment to complete all work as scheduled. Should Contractor fail to furnish sufficient and suitable equipment, forces, and materials, as necessary to prosecute the Work in accordance with the required schedule, Engineer may withhold all progress payments that are, or may become due, or suspend the work until Contractor corrects such deficiencies.
 - e. Provisions for Convenience of Public: Schedule construction operations so as to minimize any inconvenience to adjacent businesses or residences. Where necessary, Engineer may require Contractor to first construct the work in any areas along the Project where inconveniences caused by construction operations would present a more serious handicap. In such critical locations, where there is no assurance of continuous effective prosecution of the work once the construction operations are begun, Engineer may require Contractor to delay removal of the existing (usable) facilities.
 - f. The lack of equipment or unsuitability of said equipment shall not be an acceptable reason for falling behind schedule.

g. If Contractor fails to complete all work under the Contract, within the time specified in the "Notice to Proceed" and/or Work Order(s), or fails to perform the Work with sufficient personnel and equipment or with sufficient materials to assure the prompt completion of the work assigned, or discontinues the prosecution of the Work, or fails to resume work which has been discontinued within a reasonable time after notice to do so, or becomes insolvent or is declared bankrupt, or files for reorganization under the bankruptcy or insolvency code, or for any other cause whatsoever, fails to carry on the work in an acceptable manner, or if the surety executing the bond, becomes unsatisfactory in the opinion of the County, Engineer will give notice in writing to Contractor and his surety of such delay, neglect, or default. Additionally, the County may opt to not issue further Work orders and/or to terminate the Contract in addition to assigning a non-responsive Contractor Evaluation rating. Continuous failure by Contractor to complete work in a timely fashion may result in the County not issuing further work and/or cancellation of the Contract.

4. Additional Requirements for Work Order Contracts:

- a. The completion time for each Work Order will consist of a reasonable duration determined by Engineer.
- b. After the "Notice to Proceed" and issuance of the Work Order(s), Contractor shall commence the Work on the effective date of each Work Order and continue all work in an expeditious manner to a conclusion acceptable to Engineer.
- c. All activities required to be performed for each Work Order, including completion of punch list items and final deliverables, must be completed during the Work Order Days provided for each Work Order.
- d. Unless otherwise provided by the Contract Documents, Engineer may issue subsequent Work Order(s) any time after Engineer determines that work under an existing Work Order is substantially completed, even if site restoration or punch list items are pending for the existing Work Order.

G. Progress of the Work.

- 1. Unless otherwise stipulated herein, progress of the Work will be evaluated monthly and compared to the approved Work Progress Schedule.
 - a. When dollars invoiced by Contractor on the Project are 15 percent greater than the estimated dollars for the work scheduled, Engineer may request in writing, that Contractor submit a revised Work Progress Schedule for approval by the next scheduled monthly submittal date.
 - b. When the dollars earned by Contractor on the Project are 15 percent less than the estimated dollars for the work scheduled, Engineer may deem the progress of the Work unsatisfactory and will issue a notice to Contractor of unsatisfactory performance.
 - c. In the event a noncritical item becomes critical as determined by Engineer, Contractor must submit a revised CPM schedule.
 - d. When an activity on the critical path, as shown on the current approved Work Progress Schedule, has

exceeded its late start date by 7 Days, Engineer will deem the progress of Work unsatisfactory and will hold a meeting with Contractor to address the schedule within 7 Days of the discovery. If a resolution cannot be determined within 5 Days, Engineer will issue a notice to Contractor of unsatisfactory performance.

e. When it becomes apparent that an activity on the critical path, as shown on the current approved Work Progress Schedule, has exceeded its original duration by 10 or more Days, regardless of the Contract's definition of Contract Time, Contractor must submit a revised Work Progress Schedule for approval within 5 Days of the discovery and Engineer will issue a notice of unsatisfactory performance to the Contractor and identify the unsatisfactory performance.

2. The notice of unsatisfactory performance will also allow a reasonable period of time, as determined by Engineer but not to exceed 30 Days from receipt of the notice, for Contractor to bring the progress of the Work into compliance with the current accepted work progress schedule or to provide acceptable written justification for the delay. Contractor must do the following things within the time specified in the notice to Contractor of unsatisfactory performance:

- a. Submit a revised baseline progress schedule and recovery plan to Engineer for review and approval. Demonstrate the proposed method to complete the Project within the remaining time specified in the current accepted work progress schedule; and
- b. If Contractor is unable to provide such a revised schedule, a late completion schedule shall be submitted indicating the time required to complete the Work. The Department's approval of the late completion schedule will not operate as a waiver of the Department's right to assess liquidated damages;
- c. Take all necessary action, subject to Engineer's approval, to ensure completion of the Project at no additional cost to the Department within the remaining time specified in the accepted schedule. Actions may include but not be limited to the following:
 - 1) Additional overtime;
 - 2) Added work shift;
 - 3) Additional workforce;
 - 4) Extended workweek;
 - 5) Additional Equipment; or
 - 6) A combination of these.

H. Performance of Work

- 1. Give due and adequate notices to those in control of all properties that may be affected by the construction activities.
- 2. Keep on the job site sufficient plant and equipment to meet the requirements of the Work. The plant shall be kept in a satisfactory operating condition and be capable of safely and efficiently performing the Work as set forth in the Plans and Specifications. The equipment and all operations shall be subject to inspection by Engineer at all times.

3. Submit for approval by Engineer, a description of the type of materials and equipment to be used; and the method of procedure to be used in the performance of the Work.

4. Condition of Equipment

- a. All equipment used in the performance of the Work must be in first class operating condition, including proper mufflers and other silencing accessories. All equipment must be properly lubricated on a special maintenance type schedule to reduce noise, including tracks, rollers, idlers, sheaves and other noise producing components. Care must be taken to prevent oil spillage of any kind or oil dripping from equipment. All dewatering pumps and welding machines must be engine driven or powered by Contractor furnished generators. The temporary power source available at the jobsite is not sufficient to power that type of equipment.
- b. If the equipment used proves less than satisfactory and is unduly or needlessly disturbing the neighbors, in the opinion of Engineer, he will have the right to order Contractor to immediately modify the equipment to make it satisfactory, or to change to other equipment that is satisfactory at no additional cost to the County.

5. Saw Cutting:

- a. When required in performance of this Contract, material may be removed by either saw cutting the slab perpendicular to the long edge, or by any other means that will produce a clean neat cut and that is acceptable to Engineer. All costs for saw cutting and/or any other necessary means for accomplishing the bid items listed in this Contract shall be included in the cost for said item.

6. Open Excavations:

- a. At the close of each workday, Contractor shall refill all open excavations, or cover open excavations with steel plates capable of supporting vehicular traffic at no additional cost to the County.

7. Florida Trench Safety Act

- a. The Florida Trench Safety Act (Sections 553.60-553.64, Florida Statutes) is hereby incorporated by reference and made a part of these Specifications. The purpose and intention of the State of Florida "Trench Safety Act" is to provide for increased worker safety by requiring compliance with sufficient standards for trench safety and providing additional specific requirements when the excavation is in excess of 5 feet deep. By executing the Contract, Contractor certifies that he is fully aware of the Trench Safety Act, and will comply with applicable trench safety standards.
- b. In accordance with Sections 553.60-553.64, F.S., the bidder acknowledges those included in the various items of the proposal and in the total bid price are costs for complying.

I. As-Built Drawings

- 1. Five (5) sets of complete "As-Built" drawings signed and sealed by either a Florida Registered Surveyor and Mapper or a Florida Registered Professional Engineer, shall be accurately recorded by Contractor and submitted to Engineer prior to final acceptance of the Work.

2. The As-Built Drawings must contain detailed information pertaining to the locations, spans, depths, and elevations of all significant elements of construction performed pursuant to the Contract Documents in addition to all information necessary to comply with Project permits and regulatory requirement.

3. All locations, depths, and elevations shall be taken by a Florida Registered Surveyor and Mapper and be shown on the As-Built drawings.

4. No separate payment will be made for the As-Built drawings.

J. Liquidated Damages

1. Contractor, or in case of his default the surety, shall pay to the County, not as a penalty but as liquidated damages, the amount stipulated below should Contractor fail to complete all work specified within the time stipulated in the Contract, including extra time granted in writing by the County. For Work Order based Contracts, liquidated damages shall be the amount stipulated below, computed for each Work Order, should Contractor fail to complete all work specified within the time stipulated in the Work Order, including extra time granted in writing by the County.

2. Applicable liquidated damages are the amounts established in the following schedule:

Total Contract/Work Order Amount	Daily Charge Per Calendar Day
\$50,000 and under	\$763
Over \$50,000 but less than \$250,000	\$958
\$250,000 but less than \$500,000	\$1,099
\$500,000 but less than \$2,500,000	\$1,584
\$2,500,000 but less than \$5,000,000	\$2,811
\$5,000,000 but less than \$10,000,000	\$3,645
\$10,000,000 but less than \$15,000,000	\$4,217
\$15,000,000 but less than \$20,000,000	\$4,698
\$20,000,000 and over	\$6,323 plus 0.00005 of any amount over \$20 million (Round to nearest whole dollar)

- 3. Engineer will count default days in calendar days.
- 4. County has the right to apply, as payment on such liquidated damages, any money the County owes Contractor.
- 5. County does not waive its right to liquidated damages due under the Contract by allowing Contractor to continue and to finish the work, or any part of it, after the expiration of the Contract/Work Order Time including granted time extensions.

6. The requirements of this Article may not be waived, compromised or settled without the express written consent of the Board of County Commissioners.

K. Limitations of Operations

1. General:

- a. Subject to any provision to the contrary provided in these Contract Documents, Work must not be carried out during the night or on Saturdays, Sundays or on County holidays without prior written approval from Engineer issued at least 24 hours before these times so that proper inspection and engineering services may be scheduled.
- b. Prior written approval from Engineer, as specified in this Article, is not required for the performance of work that is necessary for proper care, maintenance, and protection of Work already done, or in cases when the Work would otherwise be endangered or when hazard to life or property would result, in which case Contractor must inform Engineer at the earliest possible opportunity of the same.
- c. All construction activities, designated by Engineer as requiring inspection by the County, must be scheduled to coincide with the hours of availability of Engineer or Engineer's duly authorized inspector. The hours of availability are from 7:00 AM until 4:30 PM Monday through Friday; unless otherwise approved by the Engineer, these construction activities must be scheduled to coincide with the aforementioned hours of availability.
- d. Work performed without the prior written approval of Engineer and without an Engineer's duly authorized inspector may be declared defective solely on the grounds that it was not properly inspected.
- e. Contractor must conform to all applicable laws, regulations, or ordinances with regard to labor employed, hours of work and general operations.

2. Night Work:

- a. Night work may be undertaken as a regular procedure when required by the Contract Documents or approved in writing by Engineer. Such approval, however, may be revoked at any time by Engineer if Contractor fails to maintain adequate equipment, lighting, and supervision for the proper prosecution and control of the Work at night pursuant to the requirements herein.
- b. For the purposes of this Article, the term "night" shall mean the period from 6:00 p.m. to 7:00 a.m. Due to traffic interference concerns, authorized night construction activities that may be disruptive to traffic flow can only be performed weekdays between 9:00 p.m. to 5:00 a.m.
- c. Prepare a specific work plan and submit it to the Engineer for approval at least one week in advance of the anticipated work. The plan must include a schedule of all activities of work and show in detail the special arrangements that will be made to provide for all regulatory and Contract requirements including cordoning off the areas with sufficient roadwork safety signs; providing approved MOT; worksite personnel and citizen safety; necessary lighting; and daily restoration of the work site.

- d. Obtain and comply with all necessary permits and authorizations from the applicable jurisdictions.
- e. Complete all scheduled work and restore the work site as required in the Engineer's approval.
- f. Lighting during nighttime operations:

- 1) During active nighttime operations, furnish, place and maintain lighting sufficient to permit proper workmanship and inspection. Use lighting with 5 ft•cd minimum intensity. Arrange the lighting to prevent interference with traffic or produce undue glare to property owners. Operate such lighting only during active nighttime construction activities. Provide a light meter to demonstrate that the minimum light intensity is being maintained.
- 2) Lighting may be accomplished by the use of portable floodlights, standard equipment lights, existing street lights, temporary street lights, or other lighting methods approved by Engineer.
- 3) Submit a lighting plan at the Preconstruction Conference for review and acceptance by Engineer. Submit the plan on standard size plan sheets (not larger than 24 by 36 inch), and on a scale of either 100 or 50 feet to 1 inch. Do not start night work prior to the Engineer's acceptance of the lighting plan.
- 4) During active nighttime operations, furnish, place and maintain variable message signs to alert approaching motorists of lighted construction zones ahead. Operate the variable message signs only during active construction activities.
- 5) Where night work is required by the Contract Documents, include compensation for lighting for night work in the Contract prices for the various items of the Contract. Take ownership of all lighting equipment for night work.

3. Sequence of Operations: Do not open up work to the prejudice of work already started. Engineer may require Contractor to finish a section on which work is in progress before starting work on any additional section.

4. Interference with Traffic:

- a. At all times conduct the Work in such manner and in such sequence as to ensure the least practicable interference with traffic. Operate all vehicles and other equipment safely and without hindrance to the traveling public. Park all private vehicles outside the clear zone. Place materials authorized to be stored along the roadway so as to cause no obstruction to the traveling public as possible.
- b. Where existing pavement is to be widened and stabilizing is not required, prevent any open trench from remaining after working hours by scheduling operations to place the full thickness of widened base by the end of each day. Do not construct widening strips simultaneously on both sides of the road, except where separated by a distance of at least 1/4 mile along the road and where either the work of excavation has not been started or the base has been completed.

5. Coordination with other contractors:

- a. Sequence the work and dispose of materials so as not to interfere with the operations of other contractors

engaged upon adjacent work; join the work to that of others in a proper manner, in accordance with the spirit of the Contract Documents; and perform the work in the proper sequence in relation to that of other contractors; all as may be directed by Engineer.

- b. Contractor is responsible for any damage done by him or his agents to the work performed by another contractor.
 6. Drainage: Conduct the operations and maintain the work in such condition to provide adequate drainage at all times. Unless otherwise required by the Contract Documents, do not obstruct existing functioning storm drains, gutters, ditches, and other run-off facilities.
 7. Fire Hydrants: Keep fire hydrants on or adjacent to the roadway accessible to fire apparatus at all times, and do not place any material or obstruction within 15 feet of any fire hydrant.
 8. Protection of Structures: Do not operate heavy equipment close enough to pipe headwalls or other structures to cause their displacement.
 9. Fencing: Erect permanent fence as a first order of business on all projects that include fencing where Engineer determines that the fencing is necessary to maintain the security of livestock on adjacent property, or for protection of pedestrians who are likely to gain access to the project from adjacent property.
 10. Hazardous or Toxic Waste:
 - a. When the construction operations encounter or expose any abnormal condition that may indicate the presence of a hazardous or toxic waste, discontinue such operations in the vicinity of the abnormal condition and notify Engineer immediately. Be alert for the presence of tanks or barrels; discolored earth, metal, wood, ground water, etc.; visible fumes; abnormal odors; excessively hot earth; smoke; or other conditions that appear abnormal as possible indicators of hazardous or toxic wastes and treat these conditions with extraordinary caution.
 - b. Make every effort to minimize the spread of any hazardous or toxic waste into uncontaminated areas.
 - c. Do not resume the construction operations until so directed by Engineer.
 - d. Dispose of the hazardous or toxic waste in accordance with the requirements and regulations of any Local, State, or Federal agency having jurisdiction. Where Contractor performs work necessary to dispose of hazardous or toxic waste, and the Contract does not include pay items for disposal, the Department will pay for this work as unforeseeable work.
 - e. The Department may agree to hold harmless and indemnify Contractor for damages when Contractor discovers or encounters hazardous materials or pollutants during the performance of services for the Department when the presence of such materials or pollutants were unknown or not reasonably discoverable. Such indemnification agreements are only effective if Contractor immediately stops work and notifies the Department of the hazardous material or pollutant problem.
 - f. Such indemnification agreement is not valid for damages resulting from Contractor's willful, wanton, or intentional conduct or the operations of Hazardous Material Contractors.
- L. Qualifications of Contractor's Personnel
1. Meet the personnel qualifications requirements stipulated in Article 105 of the DTPW Specifications.
 2. Provide competent, careful, and reliable superintendents, foremen, and workmen. Provide workmen with sufficient skill and experience to properly perform the work assigned to them. Provide workmen engaged on special work, or skilled work, such as bituminous courses or mixtures, concrete bases, pavements, or structures, or in any trade, with sufficient experience in such work to perform it properly and satisfactorily and to operate the equipment involved. Provide workmen that shall make due and proper effort to execute the work in the manner prescribed in the Contract Documents, or Engineer may take action as prescribed below.
 3. It is prohibited as a conflict of interest for a Contractor to subcontract with a Consultant to perform Contractor Quality Control when the Consultant is under contract with the Department to perform work on any project described in Contractor's Contract with the Department. Prior to approving a Consultant for Contractor Quality Control, Contractor shall submit to the Department a Certificate from the proposed Consultant certifying that no conflict of interest exists.
 4. Whenever Engineer determines that any person employed by Contractor is incompetent, unfaithful, intemperate, disorderly, or insubordinate, Engineer will provide written notice and Contractor shall discharge the person from the work. Do not employ any discharged person on the Project without the written consent of Engineer. If Contractor fails to remove such person or persons, Engineer may withhold all payments that are or may become due, or suspend the work until Contractor complies with such orders. Protect, defend, indemnify, and hold the County, its agents, officials, and employees harmless from all claims, actions, or suite arising from such removal, discharge, or suspension of employees.
- M. Temporary Suspension of Contractor's Operations
1. Authority to Suspend Contractor's Operations:
 - a. Engineer has the authority to suspend Contractor's operations, wholly or in part. Engineer will order such suspension in writing, giving in detail the reasons for the suspension. Contract Time will be charged during all suspensions of Contractor's operations.
 - b. Any work in the public right of way may be temporarily suspended by the roadway governing authority. If an extension of Contact time is authorized pursuant to the requirements of the Contract Documents, it will be of a non-compensable nature. All costs associated with temporary suspension including any demobilization or re-mobilization costs are the sole responsibility of the Contractor and no extra compensation will be allowed.

- c. No additional time extension will be granted to Contractor when the operations are suspended for the following reasons:
 - 1) Contractor fails to comply with the Contract Documents.
 - 2) Contractor fails to carry out orders given by Engineer.
 - 3) Contractor causes conditions considered unfavorable for continuing the Work.
 - d. Immediately comply with any suspension order. Do not resume operations until authorized to do so by Engineer in writing. Any operations performed by Contractor, and otherwise constructed in conformance with the provisions of the Contract, after the issuance of the suspension order and prior to Engineer's authorization to resume operations will be at no cost to the County. Further, failure to immediately comply with any suspension order will also constitute an act of default by Contractor and is deemed sufficient basis in and of itself for the Department to declare Contractor in default, with the exception that Contractor will not have ten calendar days to correct the conditions for which the suspension was ordered.
2. Prolonged Suspensions: If Engineer suspends Contractor's operations for an indefinite period, store all materials in such manner that they will not obstruct or impede the traveling public unnecessarily or become damaged in any way. Take every reasonable precaution to prevent damage to or deterioration of the work performed. Provide suitable drainage of the roadway by opening ditches, shoulder drains, etc., and provide any temporary structures necessary for public travel through the project.
 3. Permission to Suspend Contractor's Operations: Do not suspend operations or remove equipment or materials necessary for completing the work without obtaining Engineer's written permission. Submit all requests for suspension of operations in writing to Engineer, and identify specific dates to begin and end the suspension. Contractor is not entitled to any additional compensation for suspension of operations during such periods.
 4. Suspension of Contractor's Operations-Holidays:
 - a. Unless Contractor submits a written request to work on a holiday at least ten days in advance of the requested date and receives written approval from Engineer, Contractor must not work on the following days: Martin Luther King, Jr. Day; President's Day, Memorial Day; the Saturday and Sunday immediately preceding Memorial Day; Independence Day; Labor Day; the Saturday, and Sunday immediately preceding Labor Day; Columbus Day, Veterans' Day; Thanksgiving Day; the Friday, Saturday and Sunday immediately following Thanksgiving Day; and December 24 through January 2, inclusive. Contract Time will be charged during these holiday periods regardless of whether or not Contractor's operations have been suspended.
 - b. During such suspensions, remove all equipment and materials from the clear zone, except those required for the safety of the traveling public and retain sufficient personnel at the job site to properly meet all applicable requirements for: (1) Maintenance of Traffic; and (2) Prevention, Control, and Abatement of Erosion and

Water Pollution. Contractor is not entitled to any additional compensation for removal of equipment from clear zones or for compliance with the aforementioned requirements during such holiday periods.

N. Computation of Contract Time

1. Date of Beginning of Contract Time: The Contract Time begins on the effective start date of the "Notice to Proceed." Perform the Work fully, entirely, and in accordance with the Contract Documents within the Contract Time(s) specified in the Contract Documents, or as may be extended in accordance with the provisions herein.
2. Contract Time Extensions:
 - a. The Department will consider the delays in delivery of materials or component equipment that affect progress on a controlling item of work as a basis for granting a time extension if such delays are beyond the control of Contractor or supplier. Such delays may include an area-wide shortage, an industry-wide strike, or a natural disaster that affects all feasible sources of supply. In such cases, Contractor shall furnish substantiating letters from a representative number of manufacturers of such materials or equipment clearly confirming that the delays in delivery were the result of an area-wide shortage, an industry-wide strike, etc. No additional compensation will be made for delays caused by delivery of materials or component equipment.
 - b. The Department will not consider requests for time extension due to delay in the delivery of custom manufactured equipment including traffic signal equipment, highway lighting equipment, etc., unless Contractor furnishes documentation that the order for such equipment was placed in a timely manner, the delay was caused by factors beyond the manufacturer's control, and the lack of such equipment caused a delay in progress on a controlling item of work. No additional compensation will be paid for delays caused by delivery of custom manufactured equipment.
- c. The Department will consider the affect of utility relocation and adjustment work on job progress as the basis for granting a time extension only if all the following criteria are met:
 - 1) Delays are the result of either utility work that was not detailed in the plans, or utility work that was detailed in the plans but was not accomplished in reasonably close accordance with the schedule included in the Contract Documents.
 - 2) Utility work actually affected progress toward completion of controlling work items.
 - 3) Contractor took all reasonable measures to minimize the effect of utility work on job progress, including cooperative scheduling of Contractor's operations with the scheduled utility work at the preconstruction conference and providing adequate advance notification to utility companies as to the dates to coordinate their operations with Contractor's operations to avoid delays.
- d. As a condition precedent to an extension of Contract Time, Contractor must submit to Engineer:

- 1) A preliminary request for an extension of Contract Time made in writing to Engineer within ten calendar days after the commencement of a delay to a controlling item of work. If Contractor fails to submit this required preliminary request for an extension of Contract Time, Contractor fully, completely, absolutely and irrevocably waives any entitlement to an extension of Contract Time for that delay. In the case of a continuing delay only a single preliminary request for an extension of Contract Time will be required. Each such preliminary request for an extension of Contract Time shall include as a minimum the commencement date of the delay, the cause of the delay, and the controlling item of work affected by the delay; and
 - 2) Further, Contractor must submit to Engineer a request for a Contract Time extension in writing within 30 days after the elimination of the delay to the controlling item of work identified in the preliminary request for an extension of Contract Time. Each request for a Contract Time extension shall include as a minimum all documentation that Contractor wishes the Department to consider related to the delay, and the exact number of days requested to be added to Contract Time. If Contractor contends that the delay is compensable, then Contractor is also required to submit with the request for a Contract Time extension a detailed cost analysis of the requested additional compensation. If Contractor fails to submit this required request for a Contract Time extension, with or without a detailed cost analysis, depriving Engineer of the timely opportunity to verify the delay and the costs of the delay, Contractor waives any entitlement to an extension of Contract Time or additional compensation for the delay.
- e. Upon timely receipt of the preliminary request of Contract Time from Contractor, Engineer will investigate the conditions, and if it is determined that a controlling item of work is being delayed for reasons beyond the control of Contractor, Engineer will take appropriate action to mitigate the delay and the costs of the delay. Upon timely receipt of the request for a Contract Time extension Engineer will further investigate the conditions, and if it is determined that there was an increase in the time or the cost of performance of the controlling item of work beyond the control of Contractor, then an adjustment of Contract Time will be made, and a monetary adjustment will be made, excluding loss of anticipated profits, and the Contract will be modified in writing accordingly.
- f. The existence of an accepted schedule, including any required update(s), as required by the Contract Documents is a condition precedent to Contractor having any right to the granting of an extension of contract time or any monetary compensation arising out of any delay. Contractor failure to have an accepted schedule, including any required update(s), for the period of potential impact, or in the event the currently accepted schedule and applicable updates do not accurately reflect the actual status of the project or fail to accurately show the true controlling or non-controlling work activities for the period of potential impact, will result in any entitlement determination as to time or money for such period of potential impact being limited solely to the Department's analysis and identification of the actual controlling or non-controlling work activities. Further, in such instances, the Department's determination as to entitlement as to either time or compensability will be final.
- O. Default and Termination of Contract
1. Determination of Default:
 - a. The following acts or omissions constitute acts of default and, except as to subparagraph 10) below, the Department will give notice, in writing, to Contractor and his surety for any delay, neglect or default, if Contractor:
 - 1) Fails to begin the work under the Contract within the time specified in the Notice to Proceed;
 - 2) Fails to perform the work with sufficient workmen and equipment or with sufficient materials to ensure prompt completion of the Contract;
 - 3) Performs the work unsuitably, or neglects or refuses to remove materials or to perform anew such work that Engineer rejects as unacceptable and unsuitable;
 - 4) Discontinues the prosecution of the work, or fails to resume discontinued work within a reasonable time after Engineer notifies Contractor to do so;
 - 5) Becomes insolvent or is declared bankrupt, or files for reorganization under the bankruptcy code, or commits any act of bankruptcy or insolvency, either voluntarily or involuntarily;
 - 6) Allows any final judgment to stand against him unsatisfied for a period of ten calendar days;
 - 7) Makes an assignment for the benefit of creditors;
 - 8) Fails to comply with Contract requirements regarding minimum wage payments or Small Business Enterprise or Equal Employment Opportunity requirements;
 - 9) Fails to comply with Engineer's written suspension of work order within the time allowed for compliance and which time is stated in that suspension of work order; or
 - 10) For any other cause whatsoever, fails to carry on the work in an acceptable manner, or if the surety executing the bond, for any reasonable cause, becomes unsatisfactory in the opinion of the Department.
 - b. For a notice based upon reasons stated in subparagraphs a. 1) through 8) and 10) above: if Contractor, within a period of ten calendar days after receiving the notice described above, fails to correct the conditions of which complaint is made, the Department will, upon written certificate from Engineer of the fact of such delay, neglect, or default and Contractor's failure to correct such conditions, have full power and authority, without violating the Contract, to take the prosecution of the work out of the hands of Contractor and to declare Contractor in default.

- c. If Contractor, after having received a prior notice described above for any reason stated in subparagraph a. 2), 3), 4), 5), 6) or 8), commits a second or subsequent act of default for any reason covered by the same subparagraph a. 2), 3), 4), 5), 6) or 8) as stated in the prior notice, and regardless whether the specific reason is the same, then, regardless of whether Contractor has cured the deficiency stated in that prior notice, the Department will, upon written certificate from Engineer of the fact of such delay, neglect or default and Contractor's failure to correct such conditions, have full power and authority, without any prior written notice to Contractor and without violating the Contract, to take the prosecution of the work out of the hands of Contractor and to declare Contractor in default.
- d. Regarding subparagraph a. 9), if Contractor fails to comply with Engineer's written suspension of work order within the time allowed for compliance and which time is stated in that suspension of work order, the Department will, upon written certificate from Engineer of the fact of such delay and Contractor's failure to correct that condition, have full power and authority, without violating the Contract, to immediately take the prosecution of the work out of the hands of Contractor and to declare Contractor in default.
- e. The Department has no liability for anticipated profits for unfinished work on a Contract that the Department has determined to be in default.

2. Completion of Work by Department:

- a. Upon declaration of default, the Department will have full power to appropriate or use any or all suitable and acceptable materials and equipment on the site and may enter into an agreement with others to complete the work under the Contract, or may use other methods to complete the work in an acceptable manner. The Department will charge all costs that the Department incurs because of Contractor's default, including the costs of completing the work under the Contract, against Contractor. If the Department incurs such costs in an amount that is less than the sum that would have been payable under the Contract had the defaulting Contractor completed the work then the Department will pay the difference to the defaulting Contractor. If the Department incurs such costs in an amount that exceeds the sum that would have been payable under the Contract, then Contractor and the surety shall be liable and shall pay the County the amount of the excess.
- b. If, after the ten day notice period and prior to any action by the Department to otherwise complete the work under the Contract, Contractor establishes his intent to prosecute the work in accordance with the Department's requirements, then the Department may allow Contractor to resume the work, in which case the Department will deduct from any monies due or that may become due under the Contract, any costs to the County incurred by the delay, or from any reason attributable to the delay.

3. Termination of Contract for Convenience:

- a. The Department may terminate the entire Contract or any portion thereof, if the Department determines termination is in the County's interest. Engineer will

deliver to Contractor a Written Notice of Termination specifying the extent of termination and the effective date.

- b. When the Department terminates the entire Contract, or any portion thereof, before Contractor completes all items of work in the Contract, the Department will make payment for the actual number of units or items of work that Contractor has completed, at the Contract unit price, and as approved by Engineer for items of work partially completed, and such payments will constitute full and complete compensation for such work or items. No payment of any kind or amount will be made for items of work not started. The Department will not consider any claim for loss of anticipated profits, or overhead of any kind (including home office and jobsite overhead or other indirect impacts).
- c. The Department will consider reimbursing Contractor for actual cost of mobilization (when not otherwise included in the Contract) including moving equipment to the job where the volume of the work that Contractor has completed is de minimis and thereby too small to compensate Contractor for these expenses under the Contract unit prices.
- d. The Department may purchase at actual cost acceptable materials and supplies procured for the work, that the Department has inspected, tested, and approved and that Contractor has not incorporated in the work. Submit the proof of actual cost, as shown by receipted bills and actual cost records, at such points of delivery as Engineer may designate.
- e. Termination of a contract or a portion thereof, under the provisions of this Subarticle, does not relieve Contractor or the surety of its responsibilities for the completed portion of the Contract or its obligations for and concerning any just claims arising out of the work performed.

P. Release of Contractor's Responsibility

The Department considers the Contract complete when Contractor has completed all work and requirements of the Contract and the Department has accepted the Work. The Department will then release Contractor from further obligation except as set forth in the Contract Bonds, and except as allowed by the Contract Documents subsequent to Final Payment.

1.07 MEASUREMENT AND PAYMENT

A. Compensation

- 1. Compensation provided by the Contract, through the various scheduled items having awarded Contract Unit Prices, constitutes full payment for completing the Work and meeting all requirements of the Contract Documents. Approved payments will be made only under items having awarded Contract Unit Prices that are measured and accepted by Engineer.
- 2. The aforementioned compensation includes:
 - a. Full payment for furnishing any material, supply, equipment, tool, labor, supervision, or meeting any requirement that is reasonably inferred or incidental to

the Work whether or not specifically called for by the Contract Documents.

- b. Items of work that do not have awarded Contract Unit Prices, even if the items appear within the Articles of these Specifications or anywhere else in the Contract Documents. These items will not be measured separately for payment. Compensation for performing any work or meeting any requirement associated with these items is included in approved payments made under the various scheduled items having awarded Contract Unit Prices.

3. For Job Order Contracts, the Contract Unit Price, where referenced anywhere in these Contract Documents, is the price which results from the multiplication of the unit price provided by the County on the Project Bid Form times the awarded Contractor's percentage factor. All compensation for services called for in this Contract shall be made on the basis of the Contract Unit Prices for quantities based upon the actual work performed and accepted by Engineer. Such compensation shall be complete payment for all phases of the operation and no additional payment shall be made for any reason whatsoever.

4. Miami-Dade County offers a payment option that will expedite County payments to your organization via Automatic Clearing House transfers instead of the issuance and mailing of a County check. More information is available at <http://www.miamidade.gov/Finance/ACH-Memo.asp>.

B. Contingency Allowance Account

1. A Contingency Allowance account has been established for the Work under this Contract. The Total Contract award amount will include no more than ten percent (10%) Contingency Allowance Account. Contractor is not entitled to funds from the Contingency Allowance Account unless, at the discretion of Engineer, work is directed to be performed that is beyond the scope of established pay items. Contractor shall perform such work only upon receipt of an executed Miami-Dade-County Contingency Allowance Account expenditure form from Engineer.

C. Florida Power And Light Connection Allowance

1. County will reimburse Contractor, at invoice cost, for the services of the Florida Power and Light (FPL) connection fees required by Engineer. The necessary invoices shall be submitted to Engineer for inclusion in the payment requisition. This payment will be made from the appropriate dedicated allowance. If no dedicated allowance is provided, then payment shall be made from the Contingency Allowance Account.

D. Retainage; Punch List Requirements

1. Amount of retainage.
 - a. An amount of 10-percent retainage will be withheld from each progress payment made to Contractor.

- b. After "50-percent completion" of the Contract work, the amount of retainage withheld from each subsequent progress payment will be reduced to 5-percent.
- c. For the purpose of this Article, "50-percent completion" shall mean the point at which the County has expended 50 percent of the total awarded amount of the Contract together with all costs, if any, associated with existing change orders and any other changes or additions or modifications to the construction services required by the Contract.

2. Project closeout (Punch List).

- a. Within 21 days of reaching Substantial Completion and performance of required inspection(s), Engineer, with cooperation of Contractor, will develop a single punch list subject to the provisions of Section 218.735 (7) of the Florida Statutes (F.S.), listing all items necessary to render complete, satisfactory, and acceptable to Engineer all work and requirements of the Contract. Contractor will review and comment as necessary to assist Engineer in the preparation of the final draft of the list during the aforementioned timeframe.
- b. Engineer will provide Contractor with the Punch List within 5 days after the List has been developed and reviewed as provided in Subarticle 2.a above. Contractor must immediately work on completion of the items listed and provide to Engineer within 5 days of receipt of the Punch List, a final schedule for the completion of all pending work and requirements of the Contract. The schedule must provide for the final completion of all Contract requirements and acceptance by the Engineer prior to the expiration of the Contract.

c. For work order or multiphase projects:

- 1) Provide a punch list listing all items necessary to render complete, satisfactory, and acceptable to Engineer all work and requirements for each phase or work order as applicable.
- 2) All time limitations and requirements stipulated above apply except that the timeframe requirements for the individual punch lists are based on the specific phase or work order's substantial completion.

3. Release of Retainage.

- a. The release of retainage is subject to Section 218.735 (7), F.S. and may be requested as follows:
 - 1) After "50-percent completion" of the Contract work, Contractor may present to the County a payment request for up to one-half of the retainage held by the County.
 - 2) Upon completion of all items on the punch list and their acceptance by Engineer, Contractor may submit a payment request for all remaining retainage withheld by the County under this Contract. If a good faith dispute exists as to whether one or more items identified on the Punch List have been completed pursuant to the Contract requirements, the County may continue to withhold an amount equal to 150 percent of the total costs to complete such items.
 - 3) The County is not required to pay or release any amounts of retainage that are the subject of a good faith dispute, the subject of a claim brought pursuant

to Section 255.05, F.S., or otherwise the subject of a claim or demand by the County or Contractor.

E. Measurement of Quantities

1. Measurement Standards: Engineer will measure all work completed under the Contract in accordance with the United States Standard Measures.
2. Method of Measurements: Engineer will take all measurements horizontally or vertically as applicable.
3. Determination of Pay Areas:
 - a. Final Calculation: When measuring items paid for on the basis of area of finished work, where the pay quantity is designated to be determined by calculation, Engineer will use lengths and widths in the calculations based on the station to station dimensions shown on the plans; the station to station dimensions actually constructed within the limits designated by Engineer; or the final dimensions measured along the surface of the completed work within the neat lines shown on the Plans or designated by Engineer. Engineer will use the method or combination of methods of measurement that reflect, with reasonable accuracy, the actual surface area of the finished work as Engineer determines.
4. Construction Outside Authorized Limits: Engineer will not pay for surfaces constructed over a greater area than authorized, or for material that Contractor has moved from outside of slope stakes and lines shown on the plans, except where Engineer provides written instruction for Contractor to perform such work.
5. Truck Requirements: Provide all trucks with numbers and certify that all trucks used have a manufacturer's certification or permanent decal showing the truck capacity rounded to the nearest tenth of a cubic yard placed on both sides of the truck. This capacity will include the truck body only and any side boards added will not be included in the certified truck body capacity. Ensure the lettering and numbers are legible for identification purposes at all times.
6. Ladders and Instrument Stands for Bridge Projects:
 - a. On bridge projects, in order to facilitate necessary measurements, provide substantial ladders to the tops of piers and bents, and place and move such ladders as Engineer directs.
 - b. For bridge projects crossing water or marshy areas, supply fixed stands for instrument mounting and measurements, in accordance with the details stipulated in the Specifications for the project.

F. Bituminous Material

- a. On Contracts having an original Contract Time of more than 365 calendar days, or more than 5,000 tons of asphalt concrete, the Department will adjust the bid unit price for bituminous material, excluding cutback and emulsified asphalt to reflect increases or decreases in the Asphalt Price Index (API) of bituminous material from that in effect during the month in which bids were received. Contractor will not be given the option of accepting or rejecting this adjustment. Bituminous adjustments will be made only when the current API

(CAPI) varies by more than 5% of the API prevailing in the month when bids were received (BAPI), and then only on the portion that exceeds 5%.

- b. The Department will use the API determined by FDOT and available on the FDOT Office of Construction website <http://www.dot.state.fl.us/construction/fuel&bit/Fuel&Bit.shtm>.
- c. Payment on progress estimates will be adjusted to reflect adjustments in the prices for bituminous materials in accordance with the following:
 - 1) $\$ \text{ Adjustment} = (\text{ID})(\text{Gallons})$
 - 2) Where $\text{ID} = \text{Index Difference} = [\text{CAPI} - 0.95(\text{BAPI})]$ when the API has decreased between the month of bid and month of this progress estimate.
 - 3) Where $\text{ID} = \text{Index Difference} = [\text{CAPI} - 1.05(\text{BAPI})]$ when the API has increased between the month of bid and month of this progress estimate.
 - 4) Payment will be made on the current progress estimate to reflect the index difference at the time work was performed.
 - 5) For asphalt concrete items payable by the ton, the number of gallons will be determined assuming a mix design with 6.25 percent liquid asphalt weighing 8.58 lb/gal.
 - 6) Asphalt concrete items payable by the square yard will be converted to equivalent tons assuming a weight of 100 lb/yd² per inch.
2. Non-Duplication of Payment: In cases where the basis of payment clause in these Specifications relating to any unit price in the bid schedule requires that the unit price cover and be considered compensation for certain work or material essential to the item, the Department will not measure or pay for this same work or material under any other pay item that may appear elsewhere in these Specifications.

G. Lump Sum Quantities

1. Error in Lump Sum Quantity: Where the Department designates the pay quantity for an item to be a lump sum and the plans show an estimated quantity, the Department will adjust the lump sum compensation only in the event that either Contractor submits satisfactory evidence or the Department determines from satisfactory evidence that a difference exists between the original plan quantity and final quantity of greater than 5 percent.
2. Authorized Changes in Work: Where the Department designates the pay quantity for an item to be a lump sum and the plans show an estimated quantity, the Department will adjust compensation for that item proportionately when an authorized plan change is made which results in an increase or decrease in the quantity of that item. When the plans do not show an estimated plan quantity or the applicable specifications do not provide adjustments for contingencies, the Department will compensate for any authorized plan change resulting in an increase or decrease in the cost of acceptably completing the item by establishing a new unit price through a Change Order.

H. Deleted Work

1. The Department will have the right to cancel the portions of the Contract relating to the construction of any acceptable item therein, by the payment to Contractor of a fair and equitable amount covering all items of cost incurred prior to the date that Engineer cancels the work.

I. Partial Payments

1. General:

- a. Engineer will make partial payments on monthly estimates based on the amount of work that Contractor completes during the month (including delivery of certain materials, as specified herein below). Engineer will make approximate monthly payments, and the Department will correct all partial estimates and payments in the subsequent estimates and in the final estimate and payment.
- b. The Department will base the amount of such payments on the total value of the work that Contractor has performed to the date of the estimate, based on the quantities completed as determined by Engineer and the Contract prices, less payments previously made and less any retainage withheld.

2. Withholding Payment for Defective Work: If the Department discovers any defective work or material prior to the final acceptance, or if the Department has a reasonable doubt as to the integrity of any part of the completed work prior to final acceptance, then the Department will not allow payment for such defective or questioned work until Contractor has remedied the defect and removed any causes of doubt.

3. Partial Payments for Delivery of Certain Materials:

a. General:

- 1) The Department may allow partial payments for new materials that will be permanently incorporated into the Project and are stockpiled in approved locations in the project vicinity. Stockpile materials so that they will not be damaged by the elements.
- 2) The following conditions apply to all partial payments for stockpiled materials:
 - a) There must be reasonable assurance that the stockpiled material will be incorporated into the Project.
 - b) The stockpiled material must be approved by Engineer as meeting applicable specifications.
 - c) The total quantity for which partial payment is made shall not exceed the estimated total quantity required to complete the Project.
 - d) Contractor must furnish Engineer with copies of certified invoices to document the value of the materials received. The amount of the partial payment will be determined from invoices for the material up to the unit price in the Contract.
 - e) Delivery charges for materials delivered to the jobsite will be included in partial payments if properly documented.

- f) Partial payments will not be made for materials which were stockpiled prior to award of the Contract for a project.

b. Partial Payment Amounts: The following partial payment restrictions apply:

- 1) Partial payments less than \$5,000 for any one month will not be processed.
- 2) Partial payments for structural steel and precast prestressed items will not exceed 85% of the Contract price for the item. Partial payments for all other items will not exceed 75% of the Contract price of the item in which the material is to be used.
- 3) Partial payment will not be made for aggregate and base course material received after paving or base construction operations begin except when a construction sequence designated by the Department requires suspension of paving and base construction after the initial paving operations, partial payments will be reinstated until the paving and base construction resumes.

4. Certification of Payment to Subcontractors:

- a. The term "subcontractor," as used herein, includes persons or firms furnishing materials or equipment incorporated into the work or stockpiled for which the Department has made partial payment and firms working under equipment-rental agreements. Contractor is required to pay all subcontractors for satisfactory performance of their Contracts before the Department will make a further progress (partial) payment. Contractor shall also return all retainage withheld to the subcontractors within 30 days after the subcontractor's work is satisfactorily complete, as determined by the Department. Prior to receipt of any progress (partial) payment, Contractor shall certify that all subcontractors having an interest in the Contract were paid for satisfactory performance of their contracts and that the retainage is returned to subcontractors within 30 days after satisfactory completion of the subcontractor's work. Provide this certification in the form designated by the Department.
- b. Within 30 days of Contractor's receipt of the final progress payment or any other payments thereafter, except the final payment, Contractor shall pay all subcontractors and suppliers having an interest in the Contract for all work completed and materials furnished. The Department will honor an exception to the above when Contractor demonstrates good cause for not making any required payment and furnishes written notification of any such good cause to both the Department and the affected subcontractors or suppliers within said 30 day period.

J. Record of Construction Materials

1. General: For all construction materials used in the construction of the Project, (except materials for materially generally classed as non-commercial), preserve for the Department's inspection the invoices and records of the materials for a period of five years from the date of completion of the Project. Apply this requirement when subcontractors purchase materials, and obtain the invoices and other materials records from

the subcontractors. By providing the materials, Contractor certifies that all invoices will be maintained for the required period.

K. Recovery Rights, Subsequent to Final Payment

1. The Department reserves the right, if it discovers an error in the partial or final payments, or if it discovers that Contractor performed defective work or used defective materials, after the final payment has been made, to claim and recover from Contractor or his surety, or both, by process of law, such sums as may be sufficient to correct the error or make good the defects in the work and materials.
2. Retain all records pertaining to the Project for a period of five years from the date of Engineer's final acceptance of the Project and final payment, or greater if required by record retention laws. Upon request, make all such records available to the Department or its representative. For the purpose of this Article, records include all books of account, supporting documents, and papers that the Department deems necessary to ensure compliance with the Contract provisions.

Special Provisions

SPECIAL PROVISIONS
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APPENDIX "A" TO SPECIAL PROVISIONS

Authorization Agreement for Automatic Deposit

1. GENERAL REQUIREMENTS

1.01 MISCELLANEOUS CONSTRUCTION CONTRACTS (MCC) PLAN. GENERAL TERMS AND CONDITIONS AND SPECIAL CONDITIONS

- A. Division 01 (General Requirements) of the DTPW Specifications amends the MCC Plan, and other provisions of the Contract Documents. All requirements of the MCC Plan, Resolution and amendments', 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 to construct the Work in accordance with the Contract Documents.
- B. Work includes but is not limited to the following: Milling and resurfacing, widening and resurfacing of intersecting streets, resurfacing of asphaltic pathways (pedestrian, bicycle, etc.) adjacent or not to the edge of pavement as necessary, temporary utility repairs (cold patches), clearing and excavating of shoulder areas or build-up, as directed by the Engineer; grading and clean-up of adjacent shoulders and removal of roots, as required, pavement markings including the installation of reflective pavement markers (blue/blue) at fire hydrant locations, sidewalk, sidewalk cubs and connectors, and pedestrian ramps.

Resurfacing work may include any of the following:

- a. Application of asphaltic concrete surface course to existing wearing course.
 - b. Application of asphaltic concrete leveling courses to existing wearing surfaces prior to and in preparation for item (a) above.
 - c. Application of asphaltic concrete to previously primed rock roads.
 - d. Resurfacing of private driveways shall be limited to feathering of the asphaltic concrete mat to a point two (2) feet from the edge of the roadway. Resurfacing of the remainder of private driveways is expressly prohibited under this Contract, unless directed by the Engineer.
 - e. The contractor shall adjust all storm water, water and sewer valves and manholes prior to resurfacing. All adjustments shall be made by the built-up method, not by the use of adjustment of rings.
- C. If any changes are required due to conflict of design and or field conditions, the Engineer will make the final determination.
 - D. 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(s) of work to be performed under the terms of this Contract have been tentatively listed as follows:
 - 1. N Miami Ave from N 17 St to N 87 St
 - 2. NE 215 St from NE 2 Ave to NE 12 Ave
- B. The County may update this work site list subsequent to the Award of this Contract by adding, deleting, or substituting with comparable sites. The actual location(s) of work shall be identified in the Work Order(s) issued subsequent to the Award of the Contract. The combined total cost for all work authorized by the Work Order(s) shall not exceed the Contract Award amount.
- C. The Department does not guarantee that the full amount of the Contract will be issue to the Contractor. The actual amount of the work orders assigned will be the prerogative of the Department in its sole discretion and dependent only upon its needs.

1.04 PLANS

- A. There are no Engineering Plans accompanying these Contract Documents. However, typical details and/or sketches regarding the proposed work may be provided with the Work Order(s). 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 450 days after the date when the Contract Time commences to run as provided in Sub article 1.06 N of the General Requirements (Division 1), and all requirements of the Contract Documents completed and ready for final payment within ten 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 the 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)

- A. A local field office is not required; however, the Contractor will be required to provide the Engineer with a local (Miami-Dade County) telephone, cellular or beeper number, where the Contractor may be contacted 24 hours a day, 7 days a week during the period for which the Contract is in force.

2.02 MOBILIZATION (ARTICLE 101)

- A. DTPW Construction Specification, Page 1, Article 101-B.2.b – “Payment will be made under....”; is
 - 1. This Item limits the number of mobilization adjustments that may be required by the Contractor for this project. Work Orders will be issued to include sites within a Section of a Township and Range. When issuing a Work Order, mobilization will then be considered as to one (1) mobilization per Work Order, one (1) Work Order per Section of a Township and Range.

2.01 MAINTENANCE OF TRAFFIC (ARTICLE 102)

- A. Delete DTPW Construction Specification, Page 8, Article 102-K.1 and replace it with the following:
- B. Method of Measurement.
 - 1. General: Night time work may be required on specific work due to anticipated traffic impacts. No additional compensation will be made for night time MOT work.
- C. Delete DTPW Construction Specification, Article 102-M.1 and replace it with the following:
 - A. Description.
 - 1. Maintain traffic in accordance with FDOT Index 600 Series of the FDOT Design Standards, or as directed by Engineer, within the limits of a work zone until all work required is completed. Construct and maintain detours. Provide facilities for access to residences, businesses, etc., along a work zone. Furnish, install and maintain traffic control and safety devices while working. Furnish and install work zone pavement markings for maintenance of traffic in work areas. Provide any other special requirements for safe and expeditious movement of traffic specified in the FDOT Design Standards and the Public Works Manual of Metropolitan Dade County. Maintenance of Traffic (MOT) includes all facilities, devices and operations as required for safety and convenience of the public within the work zone.
 - 2. Do not maintain traffic over those portions of a work zone where no work is to be accomplished or where work operations will not affect existing roads. Do not obstruct or create a hazard to any traffic during the performance of the work, and repair any damage to existing pavement open to traffic.
 - B. Materials.
 - 1. Meet the following requirements:
 - a. Bituminous Adhesive: FDOT Section 970

- b. Work Zone Pavement Markings: Articles FDOT 971-1 and 971-3
 - c. Paint: FDOT Section 971
 - d. Glass Spheres: FDOT Section 971
 - e. Temporary Traffic Control Device Materials: FDOT Section 990
 - f. Retroreflective and Nonreflective Sheeting for Traffic Control Devices: FDOT Section 994
2. Temporary Traffic Control Devices: Use only the materials meeting the requirements of FDOT Section 990, Design Standards and the MUTCD.
 3. Detour: Provide all materials for the construction and maintenance of all detours. Traffic may be detoured only upon approval of the Director of the Department of Transportation and Public Works Department. No work shall commence on this Project or any portion thereof without implementation of an approved MOT plan.
 4. Commercial Materials for Driveway Maintenance: Provide materials of the type typically used for base, including recycled asphalt pavement material, and having stability and drainage properties that will provide a firm surface under wet conditions.
- C. Specific Requirements.
1. Maintain of traffic is Contractor's Responsibility from Notice to Proceed.
 2. Worksite Traffic Supervisor: Provide a Worksite Traffic Supervisor in accordance with DTPW Construction Specifications Article 105. Provide the Worksite Traffic Supervisor with all equipment and materials needed to set up, take down, maintain traffic control, and handle traffic-related situations.
 3. Ensure that the Worksite Traffic Supervisor performs the following duties:
 - a. Performs on site direction of all traffic control in a work zone.
 - b. Is on site during all set up and take down, and performs a drive through inspection immediately after set up.
 - c. Is on site during all nighttime operations to ensure proper Maintenance of Traffic.
 - d. Immediately corrects all safety deficiencies and does not permit minor deficiencies that are not immediate safety hazards to remain uncorrected for more than 1 hour.
 - e. Is available on a 24-hour per day basis and present within 45 minutes after notification of an emergency situation and is prepared to positively respond to repair the work zone traffic control or to provide alternate traffic arrangements.
 - f. On MOT lasting more than 24 hours:
 - 1) Conduct daily daytime and weekly nighttime inspections of projects with predominately daytime work activities, and daily nighttime and weekly daytime inspections of projects with predominantly nighttime work activities of all traffic control devices, traffic flow, pedestrian, bicyclist, and business accommodations.
 - 2) Advise the project personnel of the schedule of these inspections and give them the opportunity to join in the inspection as is deemed necessary.

- 3) Accommodate for pedestrians and bicycles with a safe travel path around work sites and safely separated from mainline traffic. Maintain these or existing paths satisfactorily throughout the project limits.
- 4) Provide existing businesses in work areas with adequate entrances for vehicular and pedestrian traffic during business hours.
- 5) Take corrective actions when found deficiencies.
- 6) The Department may disqualify and remove from the project a Worksite Traffic Supervisor who fails to comply with the provisions of this Article.
- 7) The Department may temporarily suspend all activities, except traffic, erosion control and such other activities that are necessary for project maintenance and safety, for failure to comply with these provisions.

D. Alternative Traffic Control Plan.

1. The Contractor may propose an alternative Traffic Control Plan (TCP) to the plan presented in the FDOT Design Standards. Have the Contractor's Engineer of Record sign and seal the alternative plan. Prepare the TCP in conformance with and in the form outlined in the current version of FDOT Roadway Plans Preparation Manual. Indicate in the plan a TCP for each phase of activities. Take responsibility for identifying and assessing any potential impacts to a utility that may be caused by the alternate TCP proposed by the Contractor, and notify the Department in writing of any such potential impacts to utilities.

Engineer's approval of the alternate TCP does not relieve the Contractor of sole responsibility for all utility impacts, costs, delays or damages, whether direct or indirect, resulting from Contractor initiated changes in the work activities from those in the original Contract Specifications, Design Standards (including traffic control plans) or other Contract Documents.

2. The Department reserves the right to reject any Alternative Traffic Control Plan. Obtain Engineer's written approval before beginning work using an alternate TCP. Engineer's written approval is required for all modifications to the TCP. Engineer will only allow changes to the TCP in an emergency without the proper documentation.

E. Traffic Control.

1. Standards

- a. FDOT Design Standards are the minimum standards for the use in the development of all traffic control plans. The MUTCD Part VI is the minimum national standard for traffic control for highway construction, maintenance, and utility operations. Follow the basic principles and minimum standards contained in these documents for the design, application, installation, maintenance, and removal of all traffic control devices, warning devices and barriers which are necessary to protect the public and workers from hazards within the project limits.

2. Maintenance of Roadway Surfaces

- a. Maintain all lanes that are being used for the maintenance of traffic, including those on detours and temporary facilities, under all weather conditions. Keep the lanes reasonably free of dust, potholes and rutting. Provide the lanes with the drainage facilities necessary to maintain a smooth riding surface under all weather conditions.

3. Number of Traffic Lanes
 - a. Maintain one lane of traffic in each direction. Maintain two lanes of traffic in each direction at existing four (or more) lane cross roads, where necessary to avoid undue traffic congestion. Construct each lane used for maintenance of traffic at least as wide as the traffic lanes existing in the area before commencement of work. Do not allow traffic control and warning devices to encroach on lanes used for maintenance of traffic.
 - b. Engineer may allow the Contractor to restrict traffic to one-way operation for short periods of time provided that the Contractor employs adequate means of traffic control and does not unreasonably delay traffic. When a work activity requires restricting traffic to one-way operations, locate the flaggers within view of each other when possible. When visual contact between flaggers is not possible, equip them with 2 way radios, official, or pilot vehicle(s), or use traffic signals.
4. Crossings and Intersections
 - a. Provide and maintain adequate accommodations for intersecting and crossing traffic. Do not block or unduly restrict any road or street crossing a work zone unless approved by Engineer. Maintain all existing actuated or traffic responsive mode signal operations for main and side street movements for the duration of the Contract. Restore any loss of detection within 12 hours. Use only detection technology listed on the FDOT Approved Products List (APL) and approved by Engineer to restore detection capabilities.
 - b. Before beginning any work, provide Engineer with a plan for maintaining detection devices for each intersection and the name(s) and phone numbers of persons that can be contacted when signal operation malfunctions.
5. Access for Residences and Businesses
 - a. Provide continuous access to all residences and all places of business.
6. Protection of the Work from Injury by Traffic
 - a. Where traffic would be injurious to a base, surface course, or structure constructed as a part of the work, maintain all traffic outside the limits of such areas until the potential for injury no longer exists.
7. Flagger:
 - a. Provide trained flaggers in accordance with DTPW Construction Specifications, Article 105.
8. Conflicting Pavement Markings:
 - a. Where the lane use or where normal vehicle paths are altered during work, remove all pavement markings (paint, tape, thermoplastic, raised pavement markers, etc.) that will conflict with the adjusted vehicle paths. Use of paint to cover conflicting pavement markings is prohibited. Remove conflicting pavement markings using a method that will not damage the surface texture of the pavement and which will eliminate the previous marking pattern regardless of weather and light conditions.
 - 1) Remove all pavement markings that will be in conflict with "next phase of operation" vehicle paths as described above, before opening to traffic.

- 2) Cost for removing conflicting pavement markings (paint, tape, thermoplastic, raised pavement markers, etc.) to be included in the pay items listed in the work document. No separate payment will be made.

9. Vehicle and Equipment Visibility:

- a. Equip all pickups and automobiles used on the project with a minimum of one Class 2 amber or white warning light that meets the Society of Automotive Engineers Recommended Practice SAE J845 dated March, 1992 or SAE J1318 dated April, 1986 and incorporated herein by reference, that is unobstructed by ancillary vehicle equipment such as ladders, racks or booms. If the light is obstructed, additional lights will be required. The lights shall be operating when a vehicle is in a work area where a potential hazard exists, when operating the vehicle at less than the average speed for the facility while performing work activities, making frequent stops or called for in the plans or Design Standards.
 - 1) Equip all other vehicles and equipment with a minimum of 4 square foot of reflective sheeting or flashing lights.
 - 2) To avoid distraction to motorists, do not operate the lights on the vehicles or equipment when the vehicles are outside the clear zone or behind a barrier.

10. No Waiver of Liability:

- a. Conduct operations in such a manner that no undue hazard results due to the requirements of this Article. The procedures and policies described herein in no way acts as a waiver of any terms of the liability of the Contractor or his surety.

F. Detours.

1. General: Traffic may be detoured only upon approval of the Director of the Department of Transportation and Public Works Construct and maintain detour facilities wherever it becomes necessary to divert traffic from any existing roadway or bridge, or wherever work operations block the flow of traffic. Contractor must submit an MOT plan prior to closure of roads for review and approval.
2. Construction: Plan, construct, and maintain detours for the safe passage of traffic in all conditions of weather. Provide the detour with all facilities necessary to meet this requirement.
3. Construction Methods: Select and use construction methods and materials that provide a stable and safe detour facility. Construct the detour facility to have sufficient durability to remain in good condition, supplemented by maintenance, for the entire period that the detour is required.
4. Removal of Detours: Remove detours when they are no longer needed. Take ownership of all materials from the detour and dispose of them.
5. Detours Over Existing Roads and Streets: When the Department specifies that traffic be detoured over roads or streets outside the work area, do not maintain such roads or streets. However, maintain all signs and other devices placed for the purpose of the detour.

G. Traffic Control Officer.

1. Provide uniformed law enforcement officers, including marked law enforcement vehicles, to assist in controlling and directing traffic in the work zone when the following types of work is necessary on projects:
 - a. Traffic control in a signalized intersection when signals are not in use.
 - b. When FDOT Index 619 of the Design Standards is used on Interstate at nighttime.
 - c. When pacing/rolling blockade specification is used.

H. Driveway Maintenance.

1. General: Ensure that each residence and or business has safe, stable, and reasonable access.
2. Construction Methods: Place, level, manipulate, compact, and maintain the material, to the extent appropriate for the intended use.
 - a. As permanent driveway construction is accomplished at a particular location, the Contractor may salvage and reuse previously placed materials that are suitable for reuse on other driveways.

I. Temporary Traffic Control Devices.

1. Installation and Maintenance

- a. Install and maintain temporary traffic control devices as detailed in Index 600 of the FDOT Design Standards and when applicable, in accordance with the approved vendor drawings, as provided on the FDOT QPL. Erect the required temporary traffic control devices to prevent any hazardous conditions and in conjunction with any necessary traffic re-routing to protect the traveling public, workers, and to safeguard the work area. Use only those devices that are on the FDOT Qualified Products List (QPL) or the FDOT Approved Products List (APL). Immediately remove or cover any devices that do not apply to existing conditions.
- b. All temporary traffic control devices must meet the requirements of National Cooperative Highway Research Program Report 350 (NCHRP 350) and current FHWA directives.
- c. Ensure that FDOT QPL number is permanently marked on the device at a readily visible location.
- d. Notify Engineer of any scheduled operation, which will affect traffic patterns or safety, sufficiently in advance of commencing such operation to permit their review of the plan for the proposed installation of temporary traffic control devices.
- e. Ensure an employee is assigned the responsibility of maintaining the position and condition of all temporary traffic control devices throughout the duration of the work. Keep Engineer advised at all times of the identification and means of contacting this employee on a 24 hour basis.
- f. Keep temporary traffic control devices in the correct position, properly directed, clearly visible and clean, at all times. Ensure that all traffic control devices meet acceptable standards as outlined in American Traffic Safety Services Association (ATSSA's) "Quality Standards for Work Zone Traffic Control Devices". Immediately repair, replace or clean damaged, defaced or dirty devices.

2. Work Zone Signs

- a. Provide signs in accordance with the FDOT Design Standards. Meet the requirements of FDOT Subarticles 700 2.6 and 700 5.5. Provide Federal Highway Administration's (FHWA) accepted sign substrate for use with accepted sign stands on the National Highway System (NHS) under the provisions of the National Cooperative Highway Research Program (NCHRP) Report 350 "Recommended Procedures for the Safety Performance Evaluation of Highway Features."
3. High Intensity Flashing Lights: Furnish Type B lights in accordance with the FDOT Design Standards.
4. Warning/Channelizing Devices: Furnish warning/channelizing devices in accordance with the FDOT Design Standards.
 - a. Reflective Collars for Traffic Cones: Use cone collars at night designed to properly fit the taper of the cone when installed. Place the upper 6 inches collar a uniform 3 1/2 inch distance from the top of the cone and the lower 4 inch collar a uniform 2 inch distance below the bottom of the upper 6 inch collar. Ensure that the collars are capable of being removed for temporary use or attached permanently to the cone in accordance with the manufacturer's recommendations. Provide a white sheeting having a smooth outer surface and that has the property of a retroreflector over its entire surface.
 - b. Barrier Wall (Temporary): Furnish, install, maintain, remove and relocate a temporary barrier wall in accordance with the Design Standards. Ensure that temporary concrete barrier wall for use on roadway sections, complies with FDOT Index 415 or 414 of the Design Standards. Ensure that temporary concrete barrier wall for use on bridge and wall sections, complies with FDOT Index 414 of the Design Standards. Ensure that temporary water filled barrier wall used on roadway sections conforms to the requirements of the pre-approved alternatives listed on FDOT QPL, unless otherwise called for by Engineer. Ensure that proprietary barrier walls for use on roadway sections meet NCHRP Report 350 criteria and be identified on FDOT QPL. Barriers meeting the requirements of FDOT Index 415 of the Design Standards or temporary water filled barriers on FDOT QPL will not be accepted as an alternate to barriers meeting the requirements of FDOT Index 414 of the Design Standards.
5. Temporary Vehicle Impact Attenuator (Crash Cushion) (Redirect/Inertia): Furnish, install, maintain and subsequently remove temporary vehicular impact attenuators in accordance with the Design Standards and requirements of the pre-approved alternatives listed on FDOT QPL. Maintain the attenuators until their authorized removal. Repair all attachment scars to permanent structures and pavements after attenuator removal. Make necessary repairs due to defective material, work, or Contractor operations at no cost to the Department. Restore attenuators damaged by the traveling public within 24 hours after notification as authorized by Engineer.
6. Guardrail (Temporary): Furnish guardrail (temporary) in accordance with the plans and Design Standards. Meet the requirements of DTPW Construction Specifications, Article 536.
7. Advance Warning Arrow Panel: Furnish advance warning panels that meet the requirements of FDOT Section 990 as required by the FDOT Design Standards to advise approaching traffic of lane closures or shoulder work.
8. Portable Changeable (Variable) Message Sign (PCMS): Furnish changeable (variable) message signs that meet the requirements of FDOT Section 990 as required by the Design Standards to supplement other temporary traffic control devices used in work zones.

9. A truck mounted PCMS may be used as a stand-alone maintenance of traffic device only when used for accident or incident management situations as defined in the MUTCD and is listed on FDOT APL.
10. Portable Regulatory Signs (PRS):
 - a. Furnish portable regulatory signs that meet the requirements of FDOT Section 990 as required by the FDOT Design Standards.
 - b. Activate portable regulatory signs only during active work activities and deactivate when no work is being performed.
11. Radar Speed Display Unit (RSDU):
 - a. Furnish radar speed display units that meet the requirements of FDOT Section 990 as required by the FDOT Design Standards to inform motorists of the posted speed and their actual speed.
 - b. Activate the radar speed display unit only during active work activities and deactivate when no work is being performed.
12. Temporary Traffic Control Signals:
 - a. Furnish, install and operate temporary traffic control signals as indicated in the FDOT Design Standards. Temporary traffic control signals will consist of either portable or fixed traffic signals.
 - b. Provide portable traffic signals that meet the requirements of FDOT Index 603-2 of the Design Standards and are listed on FDOT APL. Engineer may approve used signal equipment if it is in acceptable condition.
13. Trucks and Truck Mounted Impact Attenuators
 - a. Furnish, install and maintain only those attenuators that meet the requirements of NCHRP 350. Include the cost of trucks and truck mounted impact attenuators in the pay items listed in the work document. No separate payment will be made.
 - b. Use Truck Mounted Attenuators (TMA), when called for in the FDOT Design Standards. Limit TMA's to those items listed on the FDOT QPL.
 - c. Use truck mounted attenuator systems designed and installed in accordance with the manufactures recommendations.
 - d. Equip the TMA cartridge with lights and reflectors in compliance with applicable Florida motor vehicle laws, including turn signals, dual tail lights, and brake lights. Ensure that lights are visible in both the raised and lowered positions if the unit is capable of being raised.
 - e. Ensure that the complete unit is painted DOT yellow (Fed. Std. 595 b, No. 13538). Stripe the rear facing of the cartridge in the operating position with the alternating 6 inch white and 6 inch safety orange 45 degree striping to form an inverted "V" at the center of the unit and slope down and toward the outside of the unit, in both directions from the center. Ensure the bottom of the cartridge has the same pattern, covering the entire bottom, with 6 inch white and 6 inch safety orange stripes. Use Type III reflectorized sheeting for striping.

- f. The trucks and truck mounted impact attenuators will not be paid for separately, but will be included in the items listed in the work document. No separate payment will be made. The Contractor is responsible for all costs, including furnishing, maintaining and removal when no longer required, and all materials, labor, tools, equipment and incidentals required for attenuator maintenance.
- J. Work Zone Pavement Marking.
- 1. Description
 - a. Furnish and install Work Zone Pavement Markings for maintenance of traffic in work areas. Meet the requirements of retroreflectivity as stated in FDOT Subarticle 710 4.3.
 - b. Use pavement marking materials that contain no lead or chromium compounds. Manufacturers seeking product approval must furnish certified test reports showing the Work Zone Pavement Marking material meets the requirements of this Article.
 - c. Centerlines, lane lines, edgelines, stop bars and turn arrows in work zones will be required in accordance with the MUTCD with the following additions:
 - 1) Install edgelines on paved shoulders.
 - 2) Place edgelines on all detours where vehicle paths are altered from normal operations and where a lane is narrowed from its normal width for any reason.
 - 3) Apply Work Zone Pavement Markings, including arrows and messages as determined by Engineer to be required for the safe operation of the facility, before the end of the day if the highway is open to traffic. Channelizing devices may be used to direct traffic during the day before placing the Work Zone Pavement Markings.
 - 4) Work Zone Pavement Markings shall be water borne paint, unless otherwise approved by Engineer.
 - d. The most common types of Work Zone Pavement Markings are water borne paint. Other types of Work Zone Pavement Markings need Engineer approval.
 - 2. Removable Tape: Removable tape is not allowed.
 - 3. Work Zone Raised Pavement Markers (WZRPM's): Apply all markers in accordance with FDOT Index 600 of the Design Standards.
 - 4. Paint and Glass Beads: Meet the requirements of FDOT Section 710.
- K. Method of Measurement.
- 1. General: Night time work may be required on specific work due to anticipated traffic impacts. No additional compensation will be made for night time MOT work.
 - 2. Basis of Payment.
 - a. Work under MOT will be compensated at, but not to exceed, 2 percent of each invoice from an appropriate dedicated allowance. The total compensation under this item shall not exceed 2 percent of the Contract Subtotal Amount. Payment shall be full compensation for all work and costs specified under this Section including furnishing, installing, operating, maintaining and removing all required traffic control devices, signs, warning devices, barriers and other MOT devices or requirements not specifically covered for payment under the MOT items listed below. Such price and payment shall constitute full compensation for

furnishing (including hardware, lights and posts if required), installing, relocating, maintaining, and removing of temporary traffic control devices.

- b. The County will reimburse the Contractor for the services of uniformed law enforcement officers authorized to serve as traffic control officers for the purpose of controlling or directing traffic in the work zone as part of the County approved Traffic Control Plan and Maintenance of Traffic provided by Contractor pursuant to the Contract Documents.
 - 1) Payment will be made at invoice cost from an appropriate dedicated allowance established by the County. The necessary invoices and documentation must be submitted to Engineer along with payment request.
 - 2) Payment will be made only for those Traffic Control Officers specified in the Traffic Control Plan and authorized by the Engineer.
- c. Payment for traffic control devices:
 - 1) Payment will be made under the items listed in the bid price proposal. When the proposal does not include separate pay item for traffic control devices, all devices and incidental costs specified as being covered under this Section will be included for payment under the several scheduled items of the overall Contract, and no separate payment will be made therefore.

2) Payment will be made under:

Item No.	Description	Unit
102-74-2	Barricades (Temporary, Type III, 6')	EA/DAY
102-76	Flashing Arrow Board (Temporary)	EA/DAY
102-60A	Work Zone Signs	EA/DAY

2.02 BASE PREPARATION FOR NEW SIDEWALK CONSTRUCTION

A. Description.

- 1. Work under this Article includes the preparation of a stabilized foundation that meets the requirements of Section 145.04 (Subgrade) of the Public Works Manual including the addition of up to six (6) inches of imported limerock or limerock and sand fill material. This item shall be used only for areas where new sidewalk will be constructed and does not apply to the replacement of existing sidewalks.
- 2. The Engineer may request from an approved laboratory the necessary tests to be performed to confirm that the required material and compaction specifications are met. If the results of the tests reveal that the specifications referenced herein have not been met, the Contractor, without additional compensation, shall perform all work necessary to meet the specifications and be responsible for the costs of re-testing.

B. Method of Measurement.

- 1. The quantity to be paid for will be the area of subgrade prepared in accordance with this Article, measured in square yards, completed and accepted by the Engineer.

C. Basis of Payment.

1. Prices and payments will be full compensation for all labor, material, and equipment necessary to perform all work specified in this Article and in Section 145.04 of the Public Works Manual for the preparation of subgrade.
2. Payment will be made under:

Item No.	Description	Unit
200-2	Base Preparation for New Sidewalk Construction (Where needed at the discretion of the Engineer)	S.Y

2.03 COLORING OF CONCRETE

A. Description

1. The provisions specified herewith consists of the work, and materials required for the addition of color admixture to concrete mix used at the locations and within the limits shown in the plans or as directed by the Engineer. Further, admixture coloring shall be plant mixed and in accordance with the manufacturer's specifications.

B. Color and Materials

1. Concrete work shall meet the requirements of Section 924 and 927 of the 2007 Florida Department of Transportation Standard Specifications for Road and Bridge Construction, and the appropriate portions of the Special Provisions included herein.
2. Integral colored concrete and material shall be in accordance with the requirements established by the owner where the work is to be conducted, if applies. The owner may be contacted to obtain a list of current approved materials and suppliers. In the event that a specific material and color are specified in the construction plans or requested by the Engineer, the Contractor shall utilize such material and color in accordance with the manufacturer's recommendation and instructions.
3. The Contractor may utilize color chemical admixtures of other manufacturers; however, it must be expressed in writing, must be equivalent to the stated products for the purpose intended and must have the prior written approved of the Engineer.

C. Finishing and Curing

1. Consult the product Manufacturer's Specifications for recommended finishing and curing products and methods or as directed by the Engineer.

D. Execution of Work

1. Execute the work in accordance with the recommended Manufacturer's instructions for product installation or as directed by the Engineer.

E. Method of Measurement

1. Measurement for quantities under this item shall be the area in square yards under Driveway Restoration Pay item.

F. Basis of Payment

Payment will be made under:

Item	Description	Unit
351-1	Coloring of Concrete	S.Y.
351-1A	Color Concrete Curb And Gutter (Type F)	LF
351-1B	Colored Concrete Sidewalk (4"- Thick)	S.Y
351-1C	Colored Concrete Sidewalk (6"- Thick)	S.Y
351-1G	Colored Concrete Sidewalk (10"- Thick)	S.Y.
400-1-150	Colored Concrete Slab (See plans for details)	S.Y

G. Refer to Appendix "B" to SP "Color-Conditioned Concrete"

2.04 EDGING AND SWEEPING (REV. 06-03-2015)

A. The following new Sub-article is added at the end of Article 110, Clearing and Grubbing.

B. Description.

1. Edge, sweep, remove and dispose of vegetation from the edge of the road, curb and gutter and sidewalk areas including, but not limited to, median island curbs, roadside curbs, the front and/or backside of sidewalks and gutters, bike paths, curb inlets throats and other areas as designated by the Engineer.
2. Quantities will be agreed upon prior to beginning work in any area in question.

C. Equipment.

D. Provide positive means to control dust from edging and sweeping operations.

1. Use equipment for removal or transportation of debris or litter that precludes distribution or loss of debris or litter along the roadway.
2. Operate moving equipment in the same direction as the flow of traffic.

E. Method of Operation.

1. Do not begin work until authorized, in writing, by the Engineer. Develop a work pattern from the locations listed in the work document, unless the Engineer designates the priority of the work.
2. Edging – The blade of the edger must produce a clear sharp cut. The trench resulting from the actions of the cutting blade will not exceed one inch in width from the edge of the surface being edged. Do not push grass or weeds into the trench.

3. Vegetation - Vegetation consists of grass, weeds, or bushes up to one inch in diameter that extend beyond the normal grassed areas onto the curb, sidewalk, bike paths, or other designated areas. Uniformly cut and remove all vegetation, extending over the edge of the road, curb, sidewalk, bike paths, or other designated area to the back edge of the curb, sidewalk, bike path, or other designated area.
4. Sweeping - Sweep all debris (grass, weeds, soil, litter, etc.) from the curb and gutters, inlet throats and grates, sidewalks, and bike paths to produce a clean appearance. Do not use blowers in the edging, sweeping or debris removal operation. Remove and dispose of properly the soil and vegetation from the gutter or sidewalk, including joint areas.
5. Debris Disposal – Remove debris and/or litter produced by the edging or sweeping from the job site daily. Do not stockpile or store debris or litter on the right-of-way overnight. Dispose of all debris in accordance with local, state, and federal laws. Include the cost of disposal of the debris, litter, and vegetation trimmings in the contract unit price for edging and sweeping. Remove any debris that falls into curb and inlet structures.
6. Return at a later time and complete the edging and sweeping operations in areas where access is blocked by parked vehicles or other obstructions.
7. Conduct all edging, sweeping, and disposal activities during daylight hours only, unless otherwise specified in the contract documents or approved by the Engineer. The Engineer may approve nighttime operations upon request, at no additional compensation for nighttime traffic control. The Engineer may restrict the hours of operations based on peak traffic hours, local conditions, or special events. Complete all required edging, sweeping, and disposal of debris within the limits worked by the conclusion of each workday.
8. The quality and acceptance of work will be determined by the Engineer. Re-edge or re-sweep areas that are determined to be unacceptable at no additional cost to the Department.
9. Repair or replace damage to curbs, sidewalks, pavement, or turf due to negligence to the satisfaction of the Engineer at no additional compensation.

F. Method of Measurement.

1. The quantities to be paid will be the total linear feet of edges of road, curb and gutter, paved shoulders, sidewalks or other areas, edged and/or swept, completed and accepted. Areas that are maintained by businesses, groups, individuals, or areas where the grass and/or weeds fail to grow sufficiently to justify performing this work will be omitted as determined by the Engineer.
2. Areas requiring more than one edging/sweeping pass to sufficiently remove the debris will not be compensated twice.

G. Basis of Payment.

H. Price and payment will be full compensation for all the work specified in this Article and will include all equipment, labor, materials, and incidentals necessary to complete the work.

1. Payment Items: Payment will be made under:

Item No.	Description	Unit
110-32-1	Edging and Sweeping	LF

2.05 TRAFFIC SIGNALIZATION AND SIGNS

- A. Miami-Dade County's "Traffic Control Equipment Specifications and Standards (TCESS) for the Metro Traffic Control System Miami-Dade County" and all supplements or addenda is incorporated herein by reference and shall be considered a part of these Special Provisions. The above document, including all supplements or addenda, and as modified herein, shall govern the installation or construction of all traffic signalization, signs and pavement markings on this project. It shall be the Contractor's responsibility to insure he/she has the latest edition of the aforementioned document and related supplements or addenda. Failure by the Contractor to abide by the latest addenda shall in no way relieve him/her of his/her obligations as required. For the latest edition, contact the Traffic Equipment and Specifications Engineer @ 305-592-3470.
- B. It shall be the Contractors responsibility to obtain the latest copies of all pertinent to the Department of Transportation and Public Works Standards and Documents for traffic signalizations and flasher installations; modifications, removals, and maintenance work to be performed anywhere within the boundaries of the County.
- C. Specifications pertaining to traffic signal and signs, including but not limited to Internally Illuminated Street Name Signs and ground mounted signs, must meet the minimum requirements of the Traffic Signals and Signs Division (TS&S) of the Miami-Dade Department of Transportation and Public Works Department. Please refer to the TS&S Division's website at http://www.miamidade.gov/pubworks/traffic_signals.asp . In the event of a conflict between the specifications/requirements set forth therein and the requirements delineated within this Contract Documents, the more stringent requirements shall apply.

APPENDIX "A" TO SP
AUTHORIZATION AGREEMENT FOR AUTOMATIC DEPOSIT



AUTHORIZATION AGREEMENT

FOR AUTOMATIC DEPOSIT OF MIAMI-DADE COUNTY WARRANTS

We hereby authorize the Finance Department to initiate credit entries to our account (identified below) in the financial institution named below and authorize the financial institution to credit the same to our account.

This authority is to remain in effect until revoked by us in writing to the Finance Department. Account changes must be reported to the Finance Department thirty (30) days prior to the actual change.

Please complete the following information:

SECTION 1 (TO BE COMPLETED BY VENDOR)													
TYPE OF TRANSACTION:	ADD	CHANGE	DELETE										
	_____	_____	_____										
VENDOR NAME:	_____												
FISCAL OFFICER:	_____												
TELEPHONE NUMBER:	_____												
FEDERAL TAX IDENTIFICATION NUMBER:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> </tr> </table>												
FISCAL OFFICER SIGNATURE/TITLE:	_____												

SECTION 2 (TO BE COMPLETED BY FINANCIAL INSTITUTION)															
DIRECT DEPOSIT TO BE MADE TO:															
FINANCIAL INSTITUTION NAME: _____															
ADDRESS:	_____														

TELEPHONE NUMBER:	_____														
ROUTING & TRANSIT NUMBER/BANK NUMBER:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> </tr> </table>														
ACCOUNT # OF VENDOR	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> </tr> </table>														
TYPE OF ACCOUNT:															
<input type="checkbox"/> CHECKING	<input type="checkbox"/> SAVINGS														
BANK OFFICIAL SIGNATURE	DATE														
_____	_____														

SECTION 3 (TO BE COMPLETED BY FINANCE)	
DATE RECEIVED: _____	ACH INDICATOR UPDATE: _____
VENDOR NUMBER: _____	CASH MANAGEMENT APPROVAL: _____
DISBURSEMENT OFFICER APPROVAL: _____	_____

SECTION 8: ENGINEERING DRAWINGS

ENGINEERING DRAWINGS

ENGINEERING DRAWINGS

NOT PROVIDED