

THIS FORM ISSUED TO:

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VOID IF USED BY ANY OTHER CONTRACTOR

BID NO. 13-0022

BIDDING DOCUMENT

LAKE COUNTY  
FLORIDA

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INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS,  
SPECIAL PROVISIONS AND TECHNICAL SPECIFICATIONS,  
BID FORM, CONTRACT FORM, CONTRACT BOND FORM

FOR

CR-450 PAVED SHOULDERS  
PROJECT NO. 2013-02, BID NO. 13-0022  
FPN:427480-1-58-01  
FAN: 8886-126-A

ROADWAY CONSTRUCTION

Plans Prepared by: Paterno M. Magno, Jr., P.E., Lake County Public Works

Design Division Contact: Paterno M. Magno, Jr., P.E., Lake County Public Works

NOTE: Attach Your Bid Bond or Letter of Credit to This Document. All Extensions Must Be Carried Out. Any Changes Made in Unit Bid Prices Must Be Initialed by Bidder.

This Notice to be issued if a Pre Bid Conference is to be held.

**NON-MANDATORY PRE-BID CONFERENCE NOTICE**

BID NO. 13-0022

CR-450 PAVED SHOULDERS  
PROJECT NO. 2013-02  
FPN: 427480-1-58-01  
FAN: 8886-126-A

In Lake County, Florida

Non-Mandatory Pre-Bid Conference

THE ATTENTION OF PROSPECTIVE BIDDERS IS DIRECTED TO THE NON-MANDATORY PRE-BID CONFERENCE TO BE CONDUCTED AT THE DATE, TIME AND PLACE INDICATED BELOW:

DATE: January 24, 2012  
TIME: 9:00 a.m.

Department of Public Works  
437 Ardice Avenue  
Eustis, FL 32726

The County will point out specific job conditions which are difficult to describe or show on the Drawings. Questions that require additional clarification will be covered by an addendum which will be issued following the Non-Mandatory Pre-bid conference.

## CONTRACT DOCUMENTS

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## DIVISION A

### INSTRUCTIONS TO BIDDERS

#### LAKE COUNTY TRANSPORTATION CONSTRUCTION PROGRAM

##### 1. DEFINITIONS

Whenever the following terms, or pronouns used in place of them, are used in these Contract Documents, they shall have the meanings given below:

**Addendum** – A modification, revision or clarification of the Plans or other Contract Documents, issued by the Engineer and distributed to prospective bidders before the opening of bids.

**Board of County Commissioners** – Governing body of Lake County, hereinafter referred to as the Board.

**Calendar Day** – Every day shown on the calendar, ending and beginning at Midnight.

**Change Order** – A written order issued by the Engineer in accordance with Board policy, and accepted by the Contractor directing certain changes, additions or reductions in the work or in the materials used.

**Consultant** – The Professional Engineer or Engineering Firm registered in the State of Florida who performs Professional Engineering Services for the County, other than County personnel. The Consultant may be the Engineer of Record or may provide services through and be subcontracted to the Engineer of Record.

**Contingency** – A pay item included for usage as directed by the Engineer and for usage under conditions or circumstances unforeseen at the time of contract.

**Contractor** – The General Contractor, the Individual, Partnership or Corporation bidding or agreeing to do the work for the Owner as Prime Contractor.

**Contract Documents** – All documents referred to in Division X in addition to all duly executed and issued addenda, legal advertisements and change orders.

**County/Owner** – Lake, County, Florida, a political subdivision of the State of Florida.

**Engineer** – The County Senior Director of Public Works or his duly authorized representative, acting on behalf of the County.

**Engineer of Record** – The Professional Engineer or Engineering Firm contracted with by the County and registered in the State of Florida who develops criteria and concept for the project, performs the analysis and is responsible for the preparation of the Contract Plans and Specifications. The Engineer of Record may be County in-house staff or a Consultant retained by the County.

**FDOT** – The Florida Department of Transportation.

**ID** – Inside diameter, or dimension.

**Inspector** – An authorized representative of the Engineer, assigned to make any or all necessary inspections of the work performed and materials furnished by the Contractor.

**LCPWD** – The Lake County Public Works Department.

**Plans** – The approved drawings or reproductions thereof, that show the location, character, dimension and details of the work to be done as issued by the Engineer.

**Regular Work Day** – Any calendar day except a Saturday, Sunday or recognized Holiday.

**Scope of Work** – The general intent of the work to be accomplished as defined by the project plans and specifications.

**Schedule of Values** – The individual values as set forth by the Contractor as payment for the bid quantity units identified on the bid sheets. The total of the extended units in the schedule of values determines the contract limit. This contract limit amount may only be modified by change order approved in accordance with Board policy.

**Special Provisions** – Specific clauses adding to or revising the Standard Specifications, setting forth conditions varying from or additional to the Standard Specifications, for a specific project.

**Specifications** – The directions, provisions and requirements contained herein, together with all stipulations contained in the plans or 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.

**Standard Specifications** – FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," 2013, or FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS," 2013, or FDOT "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS," 2013 (or latest edition), and all supplemental specifications thereto, or otherwise depicted on the construction plans.

**Technical Special Provisions** – Specifications prepared, signed and sealed by an Engineer registered in the State of Florida other than the State Specifications Engineer, or his designee, which are made part of the Contract as an attachment to the Specifications Package.

**Work** – All labor, materials and incidentals required for the construction of the improvement for which the contract is made, including superintendence, use of equipment and tools, and all services and responsibilities prescribed or implied, which are necessary for the complete performance by the Contractor of his obligations under the contract. Unless otherwise specified herein or in the Contract, all costs of liability and of performing the work shall be at the Contractor's expense.

## 2. BIDS

- A. Sealed bids will be received by the Office of Procurement Services, on behalf of the Lake County Board of County Commissioners, until 10:00 a.m. on February 7, 2013 for the furnishing of all services, labor, materials and equipment for the construction of the following project:

BID NO. 13-0022

CR-450 Paved Shoulders  
PROJECT NO. 2013-02  
FPN: 427480-1-58-01  
FAN: 8886-126-A

- B. The CR-450 Paved Shoulders project is located west of Umatilla and will consist of constructing 4' paved shoulders along CR 450 and performing radius improvements at various intersecting roadways. Other work associated with this project shall include the following: SP 9.5 asphaltic concrete, SP 12.5 asphaltic concrete, asphalt milling, thermoplastic striping, storm structure installation, swale work, driveway construction, roadway signage, guardrail installation, sodding, and other miscellaneous incidental construction. The engineer's estimate is \$1,985,687.
- C. Plans, specifications and bid forms may be obtained from Romine Reprographics at <http://www.rominereprographics.com/> or at 535 Cooper Commerce Drive, Suite 340, Apopka, FL 32703, Phone (407) 464-1700.
- D. Bids shall be enclosed in a sealed envelope clearly marked "**SEALED BID FOR PROCUREMENT SERVICES BID NO. 13-0022, CR-450 Paved Shoulders, PROJECT NO. 2013-02, FPN: 427480-1-58-01, FAN: 886-126-A**" and mailed or hand carried to the address as specified below. The bidder shall place on the outside of the proposal envelope the name of the firm submitting the proposal.

**ALL** incoming mail and packages will be opened for security and contamination inspection by the Lake County Clerk of the Circuit Court Mail Receiving Center in an off-site secure controlled facility **PRIOR** to delivery to any Lake County Government facility, which includes the Lake County Procurement Services Office.

If submitting bid by the **UNITED STATES POSTAL SERVICE**, please send it to: LAKE COUNTY PROCUREMENT SERVICES, P.O. BOX 7800, TAVARES, FL 32778-7800.

If submitting bid by a **THIRD PARTY CARRIER such as Fed-X, UPS, or a private courier**, please send it to: LAKE COUNTY PROCUREMENT SERVICES, MAIL RECEIVING CENTER, 32400 CR-473, LEESBURG, FL 34788.

If submitting bid **IN PERSON**, please bring it to: LAKE COUNTY PROCUREMENT SERVICES, 315 W. MAIN STREET, 4TH FLOOR, ROOM 416, TAVARES, FLORIDA.

- E. All bids shall be received not later than the date and time specified above, at which time they will be publicly opened and read aloud in the Office of Procurement Services, Fourth Floor, Administration Building, Room 416, 315 West

Main Street, Tavares, Florida. A bid will not be considered for award if received in the Procurement Services Office after the official opening date and time regardless of when or how it was received by the Lake County Clerk of the Circuit Court Mail Receiving Center. Allow sufficient time for transportation and inspection.

- F. Bids may be withdrawn prior to the date of opening, but no bids may be withdrawn for a period of sixty (60) days after the date of opening of bids.
- G. The Board of County Commissioners reserves the right to reject any or all bids, to waive formalities, and to award the contract in the best interest of Lake County, Florida.
- H. Bids which are incomplete, unbalanced, conditional, obscure, or which contain additions not allowed for, alterations or irregularities of any kind, or which do not comply with the Contract Documents may be rejected at the option of the County.
- I. Each Bid by an individual or firm shall state the name and address of each person who owns an interest therein, and, if a corporation, the name and addresses of its officers. Bids shall be signed by the person or member of the firm making the same, and if a corporation, by an authorized officer or agent subscribing the name of the corporation, together with his own name and the corporate seal.

### **3. BID GUARANTEE**

- A. All bids must be accompanied by a Bid Guarantee acceptable to the County Attorney, which shall be one of the following; bid bond or letter of credit, in the sum of five percent (5%) of the base bid and made payable to Lake County. Said bid bond or letter of credit shall be a guarantee that should the bid be accepted, the bidder will, within ten (10) days after written notice of the award of the contract, enter into a contract with Lake County for the services proposed to be performed and will at that time furnish an acceptable contract surety. Cash, company, certified or personal checks will not be accepted.
- B. Said instruments and the monies payable thereon, will, at the option of the County, be forfeited if the bidder fails to execute the written contract and furnish the required surety bond within ten (10) consecutive calendar days following written notice of the award of the contract.
- C. Attorneys-in-fact who sign bonds must file with such bond one (1) certified copy of their power of attorney to sign said bond.
- E. All instruments shall have been issued within thirty (30) days of the date for receiving bids.

#### **4. PRE-QUALIFICATION OF CONTRACTOR**

This is not a pre-qualification project.

#### **5. CONTRACT SECURITY**

- A. The Contractor shall provide a Performance Bond and a Payment Bond, in the form prescribed in Division Y, each in the amount of 100% of the Contract amount, the costs of which are to be paid by the Contractor. The Bonds will be acceptable to the County only if the following conditions are met:
1. For contracts that do not exceed \$500,000.00, the Surety Company:
    - a. is licensed to do business in the State of Florida;
    - b. holds a certificate of authority authorizing it to write surety bonds in this state;
    - c. has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
    - d. is otherwise in compliance with the provisions of the Florida Insurance Code; and
    - e. holds a currently valid certificate of authority issued by the United States Department of Treasury under 31 U.S.C. ss 9304-9308.
  2. For contracts over \$500,000.00, all of the requirements of paragraph A.1 above apply. In addition, the Surety Company must have a current rating of at least Excellent (A or A-) all as reported in the most current Best Key Rating Guide, published by A.M. Best Company, Inc., of 75 Fulton Street, New York, New York 10038, with an underwriting limitation of at least two times the dollar amount of the contract.
- B. If the Surety for any Bond furnished by the Contractor is declared bankrupt, becomes insolvent, its right to do business is terminated in the State of Florida, or it ceases to meet the requirements imposed by the Contract Documents, the Contractor shall, within five (5) calendar days thereafter, substitute another Bond and Surety, both of which shall be subject to the County's approval.
- C. By execution of these bonds, the Surety acknowledges that it has read the Surety qualifications and Surety obligations imposed by the construction documents and hereby satisfies those conditions.

#### **6. INTERPRETATIONS PRIOR TO BID OPENING**

No oral interpretations will be made to any bidder as to the meaning of the Specifications, or any other Contract Documents. Every request for such an interpretation must be in writing, and shall be received by the County Director of Public Works not less than ten (10) calendar days prior to the date set for opening of bids. Every interpretation made to a bidder will be made by an addendum to the

Contract Documents, which, when issued, will be sent as promptly as is practicable to all persons to whom the Specifications have been issued by the County. All such addenda shall become part of the Contract Documents. No substitution of any kind or riders of any nature to the bids will be considered except by the above-described method. For purposes of this Contract the term "Interpretations" shall include the approval of product substitution.

## **7. LICENSES, PERMITS, FEES AND TAXES**

### A. Acquisition of Permits and Licenses

1. The County has obtained all known Federal and State environmental permits required for the construction of the project.
2. The Contractor shall secure and maintain all other permits required for the construction of the Project, including building permits, National Pollution Discharge Elimination System (NPDES) Construction Permits, and permits required for tree removal or relocation.
3. The Contractor shall secure and maintain all contractor licenses required for the prosecution of the work.

### B. Payment of Fees and Taxes

1. All fees associated with those permits and licenses that the Contractor is required to obtain shall be paid by the Contractor.
2. All sales, consumer, use and other similar taxes associated with the work, or portions thereof, and which are applicable during the performance of the work, shall be paid by the Contractor.
3. All fees required in connection with the Contractor's recording of bonds or other documents in the public records shall be paid by the Contractor.
4. All County permit fees shall be waived or paid by the County.

### C. Reimbursements to the Contractor

1. The County will reimburse the Contractor for those fees paid for applicable permits. Reimbursement will be for the actual amount paid, as evidenced by official receipts from the offices collecting the fees. Reimbursement will not include, nor will any separate payment be made for, Contractor mark-up, "interest" or other charges claimed by the Contractor in connection with the payment of permit fees.
2. No reimbursement will be made for Contractor license fees.
3. No reimbursement will be made for fees or other charges (such as the cost of documentary stamps) required in connection with the recording of bonds or other documents in the public records.

#### D. Compliance with Permit and Licenses Requirements

The Contractor shall comply with all permit conditions and license requirements, applicable building and construction code requirements, and such other rules and regulations as may apply to the prosecution of the work.

### **8. COMPLIANCE WITH LAWS**

The Contractor agrees to comply, at its own expense, with all Federal, State and Local laws, codes, statutes, ordinances, rules, regulations and requirements applicable to the project, including but not limited to those dealing with taxation, Workers' Compensation, equal employment, safety (including, but not limited to, the Trench Safety Act, Chapter 553.60, Florida Statutes), labor, work hours, labor conditions, environment, and related matters. If the Contractor observes that the Contract Documents are at variance therewith, it shall promptly notify the Engineer in writing.

### **9. INSURANCE**

The contractor shall purchase and maintain, at its expense, from a company or companies authorized to do business in the State of Florida, and which are acceptable to the County, insurance policies containing the following selected types of coverage and minimum limits of liability protecting from claims which may arise out of or result from the performance or non-performance of services under this Contract by the contractor or by anyone directly or indirectly employed by it, or by anyone for whose acts it may be liable:

Contractor shall not commence work under the Contract until County has received an acceptable certificate or certificates of insurance evidencing the required insurance, which is as follows:

General Liability insurance on forms no more restrictive than the latest edition of the Occurrence Form Commercial General Liability policy (CG 00 01) of the Insurance Services Office or equivalent without restrictive endorsements, with the following minimum limits and coverage:

Each Occurrence/General Aggregate	\$1,000,000/2,000,000
Products-Completed Operations	\$2,000,000
Personal & Adv. Injury	\$1,000,000
Fire Damage	\$50,000
Medical Expense	\$5,000
Contractual Liability	Included

Automobile liability insurance, including owned, non-owned, and hired autos with the following minimum limits and coverage:

Combined Single Limit	\$1,000,000
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Workers' compensation insurance based on proper reporting of classification codes and payroll amounts in accordance with Chapter 440, Florida Statutes, and/or any other applicable law requiring workers' compensation (Federal, maritime, etc). If not required by law to maintain workers compensation insurance, the Contractor must

provide a notarized statement that if he or she is injured, he or she will not hold the County responsible for any payment or compensation.

Employers Liability with the following minimum limits and coverage:

Each Accident	\$1,000,000
Disease-Each Employer	\$1,000,000
Disease-Policy Limit	\$1,000,000

Railroad Protective Liability with bodily injury protection of Two Million dollars (\$2,000,000) and property damage of Two Million dollars (\$2,000,000) for any project or portion of the project which is located on Railroad property. The Railroad shall be endorsed to this policy as an additional insured.

Lake County, a Political Subdivision of the State of Florida, and the Board of County Commissioners, shall be named as additional insured as their interest may appear on all applicable policies.

Certificate(s) of insurance shall provide for a minimum of sixty (60) days prior written notice to the County of any change, cancellation, or nonrenewal of the required insurance.

Certificate(s) of insurance shall identify the contract number in the Description of Operations section of the Certificate.

Certificate of insurance shall evidence a waiver of subrogation in favor of the County, that coverage shall be primary and noncontributory, and that each evidenced policy includes a Cross Liability or Severability of Interests provision, with no requirement of premium payment by the County.

Certificate holder shall be:

LAKE COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA,  
AND THE BOARD OF COUNTY COMMISSIONERS.  
P.O. BOX 7800  
TAVARES, FL 32778-7800

All self-insured retentions shall appear on the certificate(s) and shall be subject to approval by the County. At the option of the County, the insurer shall reduce or eliminate such self-insured retentions; or the Contractor shall be required to procure a bond guaranteeing payment of losses and related claims expenses.

The County shall be exempt from, and in no way liable for, any sums of money, which may represent a deductible or self-insured retention in any insurance policy. The payment of such deductible or self-insured retention shall be the sole responsibility of the Contractor and/or subcontractor providing such insurance.

The Contractor shall be responsible for subcontractors and their insurance. Subcontractors are to provide Certificates of Insurance to the County evidencing coverage and terms in accordance with the Contractor's requirements.

Failure to obtain and maintain such insurance as set out above will be considered a breach of contract and may result in termination of the contract for default.

Neither approval by the County of any insurance supplied by the Contractor, nor a failure to disapprove that insurance, shall relieve the Contractor of full responsibility of liability, damages, and accidents as set forth herein.

The Contractor shall submit to Lake County Public Works a copy of all accident reports arising out of any injuries to its employees or those of its subcontractors, or any personal injuries or property damage arising or alleged to have arisen on account of any work under the Contract.

#### **10. QUANTITIES**

- A. Quantities, if shown on the Bid, are estimated for bidding purposes only and shall be verified by the Contractor.
- B. Payment for work performed under this contract shall be based on a lump sum bid. Bidder shall determine quantities.
- C. Regardless of uncertainties of material supply and production at the time of bidding, Contractors shall base their bids in strict accordance with items, materials and methods as set forth in the Contract Documents.
- D. Pay items may be added, or deleted, to the list of pay items by the Engineer or Contractor, that are required to complete the scope of the work as defined by the project plans and specifications.

#### **11. QUANTITIES REFLECTED IN PERMITTING DOCUMENTS**

Any construction items or quantities reflected in the permitting documents, if any, required for this project are provided only for the purpose of enabling permitting authorities to assess the probable impact of the project, and are in no way intended to reflect or represent actual construction items or quantities for pay purposes.

#### **12. ARITHMETIC DISCREPANCIES IN BIDS**

- A. For the purpose of evaluation of bids, the following criteria will be utilized in resolving discrepancies in arithmetic found on the face of the bidding schedule of values as submitted by the bidders:
  - 1. In case of discrepancy between unit values and extended values the unit value shall take precedence.
  - 2. Errors in extension of unit values will be corrected by the County.
  - 3. Errors in addition of lump sum and extended values to determine the total bid amount will be corrected by the County.
- B. For the purposes of bid evaluation, the County will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of a lump sum bid with the

numerical unit values, extensions and totals arrived at by resolution of arithmetic discrepancies as provided above.

### **13. AWARD OF CONTRACT**

The Contract will be awarded for the entire work on the Base Bid plus any accepted options to the lowest responsive and responsible bidder, provided that the bid is reasonable, and that it is in the best interest of the County to accept. Lake County reserves the right to award any and all options as part of this contract. County will provide written notice of award to the Contractor.

### **14. NOTICE TO PROCEED TO CONTRACTOR**

After all contract documents are signed and approved, a Notice to Proceed will be issued which shall include the commencement date. The Contractor shall be required to set up a pre-construction conference before any work shall begin.

### **15. INDEMNIFICATION**

The Contractor will agree to indemnify the County as described in Division X of the Contract documents.

### **16. CONTRACT DOCUMENTS**

The Contractor will be furnished with one (1) original of the Contract Documents for the project. Additional copies may be purchased from the LCPWD at the price per set listed in Division A. Copies of the "Standard Specifications" may be purchased from the FDOT. The Contractor shall have available on the job, at all times, one (1) copy of the Contract Documents.

## DIVISION B

### GENERAL CONDITIONS

#### 1. INTENT OF THE CONTRACT DOCUMENTS

- A. It is the intent of the Contract Documents to describe a functionally complete project (or portion thereof) to be constructed in accordance with the Contract Documents which combine to define the Scope of Work. Any work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result shall be supplied whether or not specifically called for. When words that have a well-known technical or trade meaning are used to describe work, materials or equipment, such words shall be interpreted in accordance with that meaning. Reference to standard specifications, manuals or codes of any technical society, organization or association or to the laws or regulations of any governmental authority having jurisdiction over the Project, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, law or regulation in effect at the time the work is performed, except as may be otherwise specifically stated herein.
- B. The Contract Documents and all referenced standards cited therein are essential parts of the Contract requirements. A requirement occurring in one is as binding as though occurring in all. They are intended to be complimentary and to describe and provide for a complete project.
- C. Drawings are intended to show general arrangements, design and extent of work. Specifications are separated into divisions for convenience of reference only and shall not be interpreted as establishing divisions for the work, trades, subcontracts, or extent of any part of the work. In the event of a discrepancy between or among the drawings, specifications or other Contract Document provisions, the Contractor shall be required to comply with the provision, which is the more restrictive or stringent requirement upon the Contractor, as determined by the Engineer. Unless otherwise specifically mentioned, all anchors, bolts, screws, fittings, fillers, hardware, accessories, trim and other parts required in connection with any portion of the work to make a complete, serviceable, finished and first quality installation shall be furnished and installed as part of the work, whether or not called for by the Contract Documents.

#### 2. STORAGE OF MATERIALS

Materials shall be so placed so as to permit easy access for proper inspection and identification of each shipment. Any material which has deteriorated, become damaged, or is otherwise unfit for use, as determined by the Engineer, shall not be used in the work, and shall be removed from the site by the Contractor at his expense.

#### 3. SANITATION

The Contractor shall provide and maintain adequate sanitary conveniences for the use of persons employed on the work. These conveniences shall be maintained at all

times without nuisance, and their use shall be strictly enforced. The location of these conveniences shall be subject to the Engineer's approval.

#### **4. ERRORS AND OMISSIONS**

The Contractor shall not take advantage of any apparent error or omission in the Contract Documents. If any errors and/or omissions appear in the Contract Documents, or construction stakeout, the Contractor shall immediately notify the Engineer, in writing, of such errors and/or omissions. In the event the Contractor knows or should have known of any errors and/or omissions and fails to provide such notification, he shall be deemed to have waived any claim for increased time or compensation he may have had and he shall be held responsible for the results and the costs of rectifying any such errors and/or omissions.

#### **5. CONTRACTOR'S OBLIGATIONS.**

##### **A. Qualification**

1. The Contractor shall assure that all personnel are competent, careful and reliable. All personnel must have sufficient skill and experience to properly perform the work assigned them. All personnel shall have had sufficient experience to perform their assigned task properly and satisfactorily and to operate any equipment involved, and shall make due and proper effort to execute the work in the manner prescribed in the Contract Documents, or the Engineer may take action as prescribed below.
2. Whenever the Engineer shall determine that any person is incompetent, unfaithful, intemperate, disorderly or insubordinate, the Engineer shall notify the Contractor that such person is to be discharged from the work. The Contractor shall immediately discharge said person from the work and shall not again employ said person on this work except with the written consent of the Engineer. Should the Contractor fail to remove such person or persons the Engineer may withhold all payments.
3. Contractor acknowledges and agrees that, in accordance with Section 255.099, Florida Statutes, if this Project is being supported in whole or in part by State funding the Contractor shall give preference to the employment of state residents in the performance of the work on the Project if state residents have substantially equal qualifications to those of non-residents. If the Contractor is required to employ state residents, the Contractor shall contact the Department of Economic Opportunity to post the employment needs in the State's job bank system. However, in work involving the expenditure of federal aid funds, this section may not be enforced in such a manner as to conflict with or be contrary to federal law prescribing a labor preference to honorably discharged soldiers, sailors, or marines, or prohibiting as unlawful any other preference or discrimination among the citizens of the United States.

##### **B. Identification**

1. Within ten (10) days after the award of any subcontract, either by himself or a subcontractor, the Contractor shall deliver to the Engineer a statement setting

forth the name and address of the subcontractor and a summary description of the work subcontracted.

2. The Contractor shall be as fully responsible to the Owner for acts and omissions of his subcontractor and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

### C. Contractor's Supervision

#### 1. Prosecution of Work:

The Contractor shall give the work the constant attention necessary to assure the scheduled progress and he shall cooperate fully with the Engineer and with other Contractors at work in the vicinity.

#### 2. Contractor's Superintendent:

- a. The Contractor shall at all times have on the work as his agent, a competent superintendent capable of thoroughly interpreting the plans and specifications and thoroughly experienced in the type of work being performed, who shall receive the instructions from the Engineer or his authorized representatives. The superintendent shall have full authority to execute the orders or directions of the Engineer and to supply promptly any materials, tools, equipment, labor and incidentals, which may be required. Such superintendence shall be furnished regardless of the amount of work sublet.
- b. The Contractor's superintendent shall speak and understand English, and at least one responsible person who speaks and understands English shall be on the project during all working hours.

#### 3. Supervision for Emergencies:

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

#### 4. Worksite Traffic Supervisor:

- a. The Contractor shall have a Worksite Traffic Supervisor who will be responsible for initiating, installing and maintaining all traffic control devices as described in Section 102 of the FDOT Standard Specifications for Road and Bridge Construction, and in the plans. The Worksite Traffic Supervisor

shall have at least one year of experience directly related to worksite traffic control in a supervisory or responsible capacity and shall be certified by the American Traffic Safety Services Association Worksite Traffic Supervisor Certification Program or an equal approved by the FDOT. Approved alternate Worksite Traffic Supervisors may be used when necessary.

- b. The Worksite Traffic Supervisor shall be available on a twenty-four (24) hour per day basis and shall review the project on a day to day basis as well as being involved in all changes to traffic control. The Worksite Traffic Supervisor shall have access to all equipment and materials needed to maintain traffic control and handle traffic related situations. The Worksite Traffic Supervisor shall ensure that routine deficiencies are corrected within a 24-hour period.
- c. The Worksite Traffic Supervisor shall be available on the site within forty-five (45) minutes after notification of an emergency situation, prepared to positively respond to repair the work zone traffic control or to provide alternate traffic arrangements.
- d. Failure of the Worksite Traffic Supervisor to comply with the provisions of the Section 102 of the FDOT Standard Specifications for Road and Bridge Construction may be grounds for decertification or removal from the project or both. Failure to maintain a designated Worksite Traffic Supervisor or failure to comply with these provisions will result in temporary suspension of all activities except traffic and erosion control and such other activities deemed to be necessary for project maintenance.

#### D. General Inspection Requirements

##### 1. Cooperation by the Contractor:

No work shall be done nor materials used, without suitable supervision or inspection by the Engineer or his representative, and the Contractor shall furnish the Engineer with every reasonable facility for ascertaining whether the work performed and materials used are in accordance with the requirements and intent of the plans and specifications. If the Engineer so requests, the Contractor shall, at any time before final acceptance of the work, remove or uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore the uncovered portions of the work to the standard required by the specifications. Should the work so exposed or examined prove unacceptable, the uncover or removal, and the replacing of the covering or making good of the parts removed, shall be at the Contractor's expense. However, should the work thus exposed or examined prove acceptable, the uncovering or removing, and the replacing of the covering or making good of the parts removed, shall be paid for as Unforeseeable Work.

##### 2. Failure to Remove and Renew Defective Materials and Work:

- a. Should the Contractor fail or refuse to remove and renew any defective materials used or work performed, or to make any necessary corrections in

an acceptable manner and in accordance with the requirements of the specifications, within the time indicated in writing, the Engineer shall have the authority to cause the unacceptable or defective materials or work to be repaired, removed and renewed, as may be necessary; all at the Contractor's expense.

- b. Any expense incurred by the County in making these repairs, removals, or renewals, which the Contractor has failed or refused to make, shall be paid for out of any moneys due or which may become due the Contractor, or may be charged against the contract bond. Continued failure or refusal on the part of the Contractor to make any or all necessary repairs promptly, fully and in an acceptable manner shall be sufficient cause for the County, at its option, to perform the work with its own organization, or to contract with any other individual, firm or corporation to perform the work. All costs and expenses incurred thereby shall be charged against the defaulting Contractor and the amount thereof deducted from any moneys due or which may become due him, or shall be charged against the contract bond. Any work performed subsequent to forfeiture of the contract, as described in this Paragraph, shall not relieve the Contractor in any way of his responsibility for the work performed by him.

3. Inspection by the Federal Government or State of Florida:

When the United States Government, or State of Florida, is to pay a portion of the cost of construction, the construction work will be subject to such inspection by its representatives as they may deem necessary, but such inspection will in no case make the Federal Government, or State of Florida, a party to this contract.

**6. AUTHORITY OF THE ENGINEER AND ENGINEER'S ASSISTANTS**

- A. All work shall be done in accordance with the Contract Documents.
- B. It is agreed by the parties hereto that the Engineer shall decide all questions, difficulties and disputes, of whatever nature, which 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.
- C. The County retains the right to inspect all work to verify compliance with the Contract Documents. The Engineer may appoint such assistants and representatives as desired. They shall be authorized to inspect all work done and all materials furnished. This right of inspection in no way means or implies County control or other supervision over the work done or the work site. This right is solely for the County's benefit and imposes no duties or responsibilities on the County and confers no rights on any other parties. 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 shall not be authorized to revoke, alter or waive any requirement of the Contract Documents.

D. The assistants and representatives shall be authorized to call to the attention of the Contractor any failure of the work or materials to conform to the Contract Documents, and shall have the authority to reject materials or suspend the work until any questions at issue can be referred to and decided by the Engineer. The Contractor shall be immediately notified in writing of any such suspension of the work and such notice shall state in detail the reasons for the suspension. The presence of the Inspector or other assistant shall in no way lessen the responsibility of the Contractor.

E. Failure of the Engineer to Reject Work During Construction:

If, during or prior to construction operations, the Engineer should fail to reject defective work or materials, whether from lack of discovery of such defect or for any other reason, such initial failure to reject shall in no way prevent his later rejection when such defect is discovered, or obligate the County to final acceptance, and the Contractor shall make no claim for losses suffered due to any necessary removals or repairs of such defects.

## **7. CONTRACT TIME AND TIME EXTENSIONS**

- A. Unless otherwise provided, contract time shall mean the number of consecutive calendar days from the commencement date noted in the Notice to Proceed to the date on which all work is to be completed. The Contractor shall diligently pursue the completion of the work and coordinate the work being done on the project by its subcontractors and material suppliers, as well as coordinate his work with the work of other contractors so that his work or the work of others shall not be delayed or impaired by any act or omission of any act by a Contractor. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences and procedures, as well as coordination of all portions of the work under the Contract Documents.
- B. Should the Contractor be obstructed or delayed in the prosecution of or completion of the work as a result of unforeseeable causes beyond the control of the Contractor, and not due to his fault or neglect, including but not restricted to acts of God or the public enemy, acts of government, fires, floods, discovery of pre-existing hazardous materials, utility conflicts, epidemics, quarantine regulations, strikes or lockouts, the Contractor shall notify the Engineer in writing within two (2) regular work days after the commencement of such delay, stating the cause or causes thereof, or be deemed to have waived any right which the Contractor may have had to request a time extension.
- C. **NO CLAIM FOR DAMAGES OR ANY CLAIM OTHER THAN FOR AN EXTENSION OF TIME SHALL BE MADE OR ASSERTED AGAINST THE COUNTY BY REASON OF ANY DELAYS.** No interruption, interference, inefficiency, suspension or delay in the commencement or progress of the work shall relieve the Contractor of his duty to perform or give rise to any right to damages or additional compensation from the County. The Contractor expressly acknowledges and agrees that the Contractor shall receive no damages for delay. However, this provision shall not preclude recovery or damages by the Contractor for hindrances or delays due solely to fraud, bad faith or active interference on the part of the County. Otherwise, Contractor shall be entitled to extensions of the

Contract Time as the sole and exclusive remedy for such resulting delay, in accordance with and to the extent specifically provided above. This provision applies to claims for early completion as well as late completion. Such extensions of time will not be granted for delays caused by unfavorable weather, ground conditions related to the weather, inadequate construction force or for the failure of the Contractor to timely order equipment or materials.

- D. If the Contractor complies with the two (2) regular work days notice requirement, the Engineer shall ascertain the facts and the extent of the delay being claimed. The Engineer's findings of fact justify such an extension, and the Engineer's finding of fact shall be final and conclusive on the parties. The Contractor shall cooperate with the Engineer's investigation of the delays by providing any schedules, correspondence or other data that may be required to complete the findings of fact. Extensions to the contract time may be granted for only those delays that impact the Contractor's Construction Schedule. Extensions of contract time must be authorized by Change Order approved in accordance with Board policy.

#### **8. PROSECUTION OF WORK ON SATURDAYS, SUNDAYS AND RECOGNIZED HOLIDAYS**

- A. Work will not be permitted on Sundays and recognized Holidays unless permission to work has been requested in writing by the Contractor and approval, in writing, has been granted by the Engineer. Request for permission to work must be received by the Engineer no less than twenty-four (24) hours prior to the work day. Work on Saturdays may be permitted by verbal notification.

- B. No work will be permitted on:

New Years Day  
Independence Day  
Thanksgiving Day  
Christmas Day

- C. When approval is granted in accordance with the provisions stated above, work will be allowed on:

Martin Luther King, Jr. Day  
Memorial Day  
Labor Day  
Veterans Day  
Friday after Thanksgiving Day

If Christmas or New Year's Day shall fall on Tuesday or Thursday, the preceding Monday or the following Friday shall be recognized as a holiday also. If any recognized holiday shall fall on a Saturday, the preceding Friday shall be observed as a holiday. If any recognized holiday shall fall on a Sunday, the following Monday shall be observed as a holiday.

- C. The Contractor shall pay to the County, as reimbursement of costs incurred by the County, the sum of TWO HUNDRED FIFTY and 00/100 DOLLARS (\$250.00) per

man per day for each Sunday or recognized Holiday on which the Contractor works.

- D. Payment to the County of such sums as may become payable under the provisions of this Article shall be made by identifying the said sums as a credit item on the Contractor's pay estimate for the period during which the liability for the sums occurred. The credit item shall show the total number of days applicable under (D) times the corresponding per day or per hour cost.

**9. LIQUIDATED DAMAGES**

- A. The County and the Contractor recognize that, since time is of the essence for this Contract, the County will suffer financial loss if the work is not completed within the time specified.
- B. The County shall be entitled to assess, as liquidated damages, but not as a penalty, for each calendar day after the scheduled completion date. The project shall be deemed to be completed on the date the work is deemed complete to the satisfaction of the Engineer. The Contractor hereby expressly waives and relinquishes any right which it may have to seek to characterize the above-noted liquidated damages as a penalty. The parties agree that the liquidated damages sum represents a fair and reasonable estimate of the County's actual damages at the time of contracting if the Contractor fails to complete the work in a timely manner. The liquidated damages shall be as follows:

Original Contract Amount	Daily Charge Per Calendar Day
\$50,000 and under.....	\$278
Over \$50,000 but less than \$250,000 .....	\$388
\$250,000 or more but less than \$500,000.....	\$566
\$500,000 or more but less than \$2,500,000.....	\$1,148
\$2,500,000 or more but less than \$5,000,000.....	\$1,914
\$5,000,000 or more but less than \$10,000,000.....	\$2,514
\$10,000,000 or more but less than \$15,000,000.....	\$3,300
\$15,000,000 or more but less than \$20,000,000.....	\$3,782
\$20,000,000 and over .....	\$5,684 plus 0.00005 percent per day for amount over \$20,000,000

- C. Any Contractor that is in default for not completing the work within the time specified will be removed from the bidder's list, at the option of the County, and not permitted to bid work for Lake County until the project is complete and the liquidated damages sum is satisfied.

**10. CHANGES IN THE WORK**

- A. Without invalidating the contract, the Engineer may at any time, by written order, direct extra work within the general scope or alter the work by addition or deduction of items that do not alter the scope of the work. Such changes may be effected by Change Order or by other written order. Such changes shall be binding on the Contractor. No officer, employee, or agent of the County is

authorized to direct any extra or change work orally. All changes orders shall be executed in the manner set forth in the Lake County Purchasing Procedures. A copy of such procedures shall be available upon request.

- B. If changes to the scope of the work are required or if the contract time or the total contract price is increased or decreased, a Change Order in accordance with Board policy will be required.
- C. The value of such extra work or change shall be determined by contract unit values if applicable unit values are set forth in the contract. The amount of the change shall be computed from such values and added to or deducted from the contract price. If the applicable unit values are not in the contract, the value of such extra work or change shall be determined by negotiation.
- D. Should a Change Order be required, and the County and the Contractor are unable to agree on the requested change, the Contractor shall, nevertheless, promptly perform the change as directed in writing by the Engineer. If the Contractor disagrees with the Engineer's adjustment determination, the Contractor must make a claim pursuant to the Claims and Dispute Section herein, or else be deemed to have waived any claim on this matter it might otherwise have had.
- E. For new work not covered by contract unit values, the amount of an increase shall be limited to the Contractor's reasonable direct labor and material costs and reasonable actual equipment costs as a result of the change (including allowance for labor burden costs) plus a maximum ten percent (10%) markup for all overhead and profit. In the event such change work is performed by a subcontractor, a maximum ten percent (10%) markup for all overhead and profit for all subcontractors' direct labor and material costs and actual equipment costs shall be permitted, with a maximum five percent (5%) markup thereon by the Contractor for all of its overhead and profit, for a total overall maximum markup of fifteen percent (15%) of the amount of change work. All compensation due the Contractor and any Subcontractor or sub-subcontractor for field and home office overhead is included in the markups noted above.
- F. In an emergency endangering life or property, or as expressly set forth herein, the Engineer has the authority to order the necessary work in writing. The County shall not be liable to the Contractor for any increased compensation without such written order. The payment authorized by a written order shall represent full and complete compensation to the Contractor for labor, materials, incidental expenses, overhead, profit, impact costs, and time associated with the work authorized by such written order.
- G. Execution by the Contractor of a properly authorized Change Order (see appendix) shall be considered a waiver of all claims or requests for additional time or compensation for any activities prior to the time of execution related to items included in the Change Order.

## **11. CLAIMS AND DISPUTES**

- A. Claims by the Contractor shall be made in writing to the Engineer within two (2) business days after the commencement of the event giving rise to such claim or

else the Contractor shall be deemed to have waived the claim. Written supporting data shall be submitted to the Engineer within ten (10) calendar days after the occurrence of the event, unless the County grants additional time in writing, or else the Contractor shall be deemed to have waived the claim. All claims shall be priced in accordance with the provisions of the section in this document entitled "Changes in Work".

B. The Contractor shall proceed diligently with its performance as directed by the County, regardless of any pending claim, action, suit, or administrative proceeding, unless otherwise agreed to by the County in writing. The County shall continue to make payments on the undisputed portion of the contract in accordance with the contract documents during the pendency of any claim.

C. Claims by the Contractor shall be resolved in the following manner:

1. Upon receiving the claim and supporting data, the County shall within fifteen (15) business days respond to the claim in writing stating that the claim is either approved or denied. If denied, the County shall specify the grounds for denial. The Contractor shall then have fifteen (15) calendar days in which to provide additional supporting documentation, or to notify the County that the original claim stands as is.

2. If the claim is not resolved, the County may, at its option, choose to submit the matter to mediation. A mediator shall be mutually selected by the parties and each party shall pay one-half (1/2) the expense of mediation. If the County declines to mediate the dispute, the Contractor may bring an action in the County or Circuit Court sitting in Lake County, Florida.

D. Claims by the County against the Contractor shall be made in writing to the Contractor as soon as the event leading to the claim is discovered by the County. Written supporting data shall be submitted to the Engineer. All claims shall be priced in accordance with the provisions of the section in this document entitled "Changes in Work". The Engineer shall make a determination on the claim within fifteen (15) business days of receipt of the claim and shall communicate said determination to the County and the Contractor in writing. The Contractor may appeal the determination as set forth in subsection C(2) above.

E. Arbitration shall not be considered as a means of dispute resolution.

## **12. MEASUREMENT AND PAYMENT**

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

B. All measurements shall be taken horizontally or vertically, unless specifically provided otherwise.

C. In the measurement of items to be paid for on the basis of area of finished work, when the pay quantity is designated to be determined by calculation, the lengths and/or widths to be used in the calculations shall be the station-to-station dimensions shown on the plans, the station-to-station dimensions actually

constructed within the limits designated by the Engineer, or the final dimensions measured of the completed work within the lines shown on the plans or designated by the Engineer. The method, or combination of methods, shall be those which reflect with reasonable accuracy the actual area of finished work as determined and authorized by the Engineer.

- D. No payment will be made for either construction over a greater area than authorized, or for material moved from outside of stakes and data shown on the plans, except when such work is performed upon instructions of the Engineer.
- E. The Contractor shall accept compensation provided under the terms of this contract as full payment for furnishing all materials and for performing all work contemplated and embraced under this contract. Such compensation shall also be for any and all loss or damage arising out of the nature of the work or from the action of the elements, or from any unforeseen difficulties or obstructions encountered during the contract period until final acceptance by the County.
- F. Whenever any change, or combination of changes in the plans, results in an increase or decrease in the original contract quantities, and the work added or decreased/eliminated is of the same general character as that called for in the plans, the Contractor shall accept payment in full at the original contract unit prices for the actual quantity of work performed, with no allowance for any loss of anticipated profits.
- G. Where the pay quantity for an item is designated to be Lump Sum, and the plans or specifications indicate an estimated quantity, compensation for that item will be adjusted proportionately if a plan change results in a significant change in the quantity from such estimated plan quantity.
- H. Failure to construct any item to plan or authorized dimensions within the specification tolerances shall result in reconstruction by the Contractor to acceptable tolerances at no additional cost to the County, acceptance at no pay, or acceptance at reduced final pay as determined by the Engineer. Adjustments to final pay for those items designated to be paid on the basis of Lump Sum quantity under these provisions shall not be made unless such adjustments results in an aggregate change per item of more than \$1,000.00 for earthwork items, or more than \$100.00 for any other item.
- I. Materials purchased by the Contractor for drainage structures, drainage pipe, and road base delivered to job site for this contract are eligible as determined by the Engineer for payment up to one half the bid unit price. If payment is made the materials shall become the property of Lake County. The Contractor shall be responsible for loss or theft and shall replace, at the Contractor's expense, any such materials lost for any reason. The remainder of payment shall not be made until such materials are properly constructed and in place per plans and specifications.

### **13. PAYMENTS TO CONTRACTOR**

Monthly progress payments will be made to the Contractor. In accordance with the items listed within the Bid Form - Tabulation of Estimated Quantities (Division W), a

list of items rendered complete, satisfactory, and acceptable will be prepared by the Contractor within 30 calendar days after reaching substantial completion. Failure of the Contractor to include any corrective work or pending items not yet completed on the list developed pursuant to this subsection does not alter the responsibility of the Contractor to complete all construction services purchased pursuant to this Contract. Upon completion of all items on the list, the Contractor may submit a payment request with his next monthly invoice for all remaining retainage withheld by the County. If a good-faith dispute exists as to whether one or more items have been completed pursuant to the Contract, the County may continue to withhold an amount not to exceed 150 percent of the total costs to complete the remaining items. The Contractor's project representative will be required to review these estimates with the Inspector and sign the estimate in agreement. The payment estimate based on extension of the unit values for said quantities will then be checked by the Inspector's supervisor, who will reconfirm with the Inspector and contractor any required corrections, before further processing for payments.

All payments made to the Contractor and all payment of subcontractors, sub-contractors, materialmen, and suppliers shall be in accordance with Part VII, Chapter 218, Florida Statutes (2005).

Federal or State Funding If any project given to the Contractor under this Agreement is one in which federal or state funds shall be used, the Contractor is hereby informed that payment shall be contingent upon receipt of said federal or state funds or approval. Additionally, payment shall be contingent upon the Contractor completing all required forms and documentation as is necessary in order to obtain such federal or state funding or approval.

#### **14. ACCEPTANCE AND FINAL PAYMENT**

##### A. Final Inspection

Whenever all materials have been furnished, all work has been performed, and the construction contemplated by the contract has been satisfactorily completed, the Engineer will make the final inspection.

##### B. Maintenance of Work

The Contractor shall maintain all work in first-class condition until final inspection is completed and accepted by the Engineer. All Bonds and Insurance shall be maintained until final acceptance by the Board of County Commissioners.

##### C. Final Acceptance

1. Upon completion of the final construction inspection and where the work is found to be completed satisfactorily, the Contractor shall prepare a final estimate.
2. Whenever the work provided for under the contract has been completely performed by the Contractor, and the final inspection has been made by the Engineer, a final pay request showing the value of the work will be prepared by the Contractor as soon as the necessary measurements and computations can

be made. All prior estimates and payments shall be subject to correction in the final estimate and payment. The amount of this estimate, less any sums that may have been deducted or retained under the provisions of the contract, will be paid to the Contractor as soon as practicable, after the Contractor has furnished a sworn Affidavit in the form provided in Division Z of this Contract, to the effect that all bills are paid and no suits are pending, and after the Contractor has agreed in writing to accept the balance due, as determined by the County, as full settlement of his account under contract and of all claims in connection therewith.

3. The surety on the contract bonds consents, by completion of their portion of the affidavit and surety release subsequent to the Contractor's completion of his portion, to final payment to the Contractor and agrees that the making of such payment shall not relieve the surety of any of its obligations under the bonds.

#### D. Waiver of Claims

1. The Contractor's acceptance of final payment shall constitute a full waiver of any and all claims by the Contractor against the County arising out of this Contract or otherwise related to the project, except those previously made in writing and identified by the Contractor as unsettled at the time the final estimate is prepared.
2. Neither the acceptance of the work nor payment by the County shall be deemed to be a waiver of the County's rights to enforce any continuing obligations of the Contractor hereunder or to the recovery of damages for defective work not discovered by the County at the time of final inspection.

#### E. Termination of Contractor's Responsibility

The contract will be considered complete when all work has been completed and has been accepted by the Engineer. The Contractor will then be released from further obligation except as set forth in his bonds and in this Division.

#### F. Recovery Rights, Subsequent to Final Payment

The County reserves the right, should an error be discovered in the partial or final estimates, or should proof of defective work or materials used by or on the part of the Contractor be discovered after the final payment has been made, to claim and recover from the 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.

### **15. COVENANT AGAINST CONTINGENT FEES**

The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees of bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty the County

A. Each Contractor shall visit the site of the proposed work and fully acquaint himself with conditions relating to construction and labor so that he may fully understand the facilities, difficulties and restrictions attending the execution of work under the contract. The Contractor shall thoroughly examine and be familiar with the Contract Documents. Failure or omission of the Contractor to receive or examine any form, instrument, addendum or other documents, or to visit the site and

**17. SITE INVESTIGATION**

E. The Contractor is responsible for ensuring and complying with any permit requirements from Federal, State, County, or local agencies in the storage of material on properties not under the control of Lake County. The Contractor shall provide best management practices at storage sites to prevent erosion, hazardous materials contamination, or other contaminations from occurring.

D. The Contractor shall confine all construction equipment, the storage of materials and equipment and the operations of workers to the project site and land and areas identified in and permitted by the Contract Documents, and shall not unreasonably encumber the project site with construction equipment or other material or equipment. The Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or any land or areas contiguous thereto, resulting from the performance of the work.

C. Temporary buildings (storage sheds, shops, offices, etc.) may be erected by the Contractor only with the approval of the Engineer after obtaining necessary permits, and shall be built with labor and materials furnished by the Contractor without expense to the County. Such temporary buildings and/or utilities shall remain the property of the Contractor and will be removed by him at his expense upon the completion of the work. With the written consent of the Engineer, such buildings and/or utilities may be abandoned and need not be removed.

B. As the work progresses, the Contractor shall keep the site reasonably clear of rubbish, trash, waste and other disposable materials on a daily basis.  
1. If the Contractor allows the site to become littered and unsightly, any payments otherwise due may be withheld until the Contractor cleans up the site to the satisfaction of the Engineer. If the Contractor fails to clean-up the site, the County may choose to clean-up the site at the Contractor's expense.

A. The County will furnish and define the limits of land for access to the construction site and for the site proper. All information shown in the Contract Documents constitutes the extent of land provided by the County. Any and all other lands required by the Contractor shall be procured by the Contractor at the Contractor's expense.

**16. LANDS FOR WORK AND ACCESS THERETO**

shall have the right to annul this Contract without liability or, in its discretion, to deduct from the Contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage or contingent fee.

- B. The Contractor will preserve and protect all existing vegetation such as trees, shrubs and grass on or adjacent to the site which do not unreasonably interfere with the construction as may be determined by the Engineer. The Contractor will be responsible for all unauthorized cutting or damaging of trees and shrubs, including damage due to careless operation of equipment, stockpiling of materials or tracking of grass areas by equipment.
- A. Location of existing structures and utilities provided in the Contract Documents are approximate only. Any damage to existing structures or work of any kind, or the interruption of a utility service resulting from failure to comply with the requirements of the Contract Documents, shall be repaired or restored promptly by, and at the expense of the Contractor.

**18. PROTECTION OF EXISTING STRUCTURES, UTILITIES, WORK AND VEGETATION**

- E. The County assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information made available by the County. The County also assumes no responsibility for any understanding or representations made by its officers or agents during or prior to the execution of this Contract, unless such understanding or interpretations are made in writing.
  - D. Any failure by the Contractor to acquaint himself with any aspect of the work or with any of the applicable conditions shall not relieve the Contractor from responsibility for adequately evaluating the difficulty or cost of successfully performing the work under the Contract Documents, nor shall it be considered the basis for any claim for additional time or compensation.
  - C. The Contractor further acknowledges that he has satisfied himself as to the character, quality and quantity of surface and subsurface materials, obstacles, or conditions to be encountered.
  - B. The Contractor acknowledges that he has satisfied himself as to the nature and location of the work; the general and local conditions, including but not restricted to, those bearing upon transportation, disposal, handling and storage of materials; availability of labor, water, electric power, roads; and uncertainties of weather, river stages, tides or similar physical conditions at the site; the conformation and conditions of the ground; the character of equipment and facilities needed preliminary to and during prosecution of the work.
- Lake County does not warrant the accuracy or completeness of these reports, soil samples, or any other site condition information or data made available including, but not limited to, underground utility location. The submission of a bid shall be taken as prima-face evidence of compliance with this section.
- The Geotechnical Report dated August 22, 2012, as prepared by Ardaman & Associates, Inc. is attached for review.*
- Contractor from any obligation with respect to the Contract.
- acquaint himself with conditions existing thereon, shall in no way relieve the

C. Care will be taken by the Contractor in felling trees authorized for removal to avoid unnecessary damage to vegetation that is to remain in place. Any limbs or branches of trees broken during such operations shall be trimmed without cutting into the trunk and left with a clean cut and a small stub. The Contractor will be liable for, or may be required to replace or restore at his own expense, all vegetation that may be destroyed or damaged due to the Contractor's failure to protect and preserve same as required herein.

D. Where the Contractor hauls material 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, he shall immediately, at his expense, repair such road or bridge to as good a condition as before the hauling began. Such hauling shall be conducted in accordance with all applicable environmental and safety regulations.

E. The Contractor shall fully protect the work from loss or damage and shall bear the cost of any such loss or damage until final payment has been made. If the Contractor or any one for whom the Contractor is legally liable for is responsible for any loss or damage to the work, or other work or materials of the County or County's separate contractors, the Contractor shall be charged with the same, and any monies necessary to replace such loss or damage shall be deducted from any amounts due the contractor.

F. All existing monuments shown on these plans are to be preserved, if possible. Any monuments damaged or destroyed without the express written permission of Lake County, including but not limited to horizontal and vertical control points and property corners, are to be restored at the expense of the Contractor by a professional surveyor and mapper, licensed to do business in the State of Florida.

## **19. OTHER WORK**

A. The Contractor will cooperate with County forces or others who may be engaged in authorized work prior to final completion of the project.

B. The Contractor shall cooperate with the owners of any underground or overhead utility lines in their removal and rearrangement operations in order that these operations may progress in a reasonable manner and that service rendered by these parties will not be interrupted.

C. The County may perform other work related to the project at the site by the County's own forces, have other work performed by utility owners or let other direct contracts. If the fact that such other work is to be performed is not noted in the Contract Documents, notice thereof will be given to the Contractor. If the Contractor believes that such performance will involve additional expense to the Contractor or require additional time, the Contractor shall send written notice of that fact to the County and the Engineer within forty-eight (48) hours of being notified of the other work. If the Contractor fails to send the above required forty-eight (48) hour notice, the Contractor will be deemed to have waived any rights it otherwise may have had to seek an extension to the contract time or adjustment to the contract amount. The Contractor shall afford each utility owner and other contractors (or the County, if the County is performing the additional work with the County's employees) proper and safe access to the site and a

- 1. The Contractor shall be considered in material default of the Contract and such default shall be considered cause for the County to terminate the Contract, in whole or in part, as further set forth in this Section, for any of the following reasons:
    - a. Failing to begin the work under the Contract Documents within the time specified herein;
    - b. Failing to properly and timely perform the work as directed by the Engineer or as provided for in the approved Construction Schedule;
    - c. Performing the work unsuitably or neglecting or refusing to remove materials or to correct or replace such work as may be rejected as unacceptable, unsuitable or otherwise defective;
    - d. Discontinuing the prosecution of the work;
    - e. Failing to resume work that has been suspended within a reasonable time after being notified to do so;
    - f. Becoming insolvent or declared bankrupt, or committing any act of bankruptcy;
    - g. Allowing any final judgment to stand unsatisfied for more than ten (10) days;
    - h. Making an assignment for the benefit of creditors;
    - i. Failing to obey laws, ordinances, regulations or other codes of any governmental authority with jurisdiction on the project;
- A. Termination for Default

**20. TERMINATION**

- D. If any part of the Contractor's work depends, for proper execution or results, upon the work of any other contractor other than a subcontractor or utility owner, the Contractor shall inspect and promptly report to the Engineer, in writing, any delays, defects or other problems in such other work that render it impossible for the Contractor to obtain proper execution or results. The Contractor's failure to report will constitute an acceptance of the other work as fit and proper for integration with the Contractor's work.
- reasonable opportunity for the introduction and storage of materials and equipment and the execution of such work and shall properly connect and coordinate its work with theirs. The Contractor shall not endanger any work of others by cutting, excavating or otherwise altering their work and will only cut or alter their work with the written consent of the Engineer and the others whose work will be affected.

B. Termination for Convenience and Right of Suspension

- j. Failing to perform or abide by the terms or spirit of the Contract Documents.
- k. Failing to maintain contract security as required by the Contract Documents.
- 2. The County shall notify the Contractor in writing of the Contractor's default. If the County determines that the Contractor has not taken substantial steps toward effecting a remedy or cure of the default or defaults in his performance within seven (7) calendar days following receipt by the Contractor of written notice of default or defaults, then the County, at its option, without releasing or waiving its rights and remedies against the Contractor's sureties, and without prejudice to any other right it may be entitled to hereunder or by law, may terminate the Contractor's right to proceed under this Contract, in whole or in part, and may take possession of the work and any materials, tools, equipment, and appliances of the Contractor, take assignments of any of the Contractor's subcontracts and purchase orders and complete the Contractor's work by whatever means, method or agency which the County, in its sole discretion, may choose.
- 3. If the County deems any of the foregoing remedies necessary, the Contractor agrees it shall not be entitled to receive any further payment until after the work is completed. All money expended and all of the costs, losses, damages and extra expenses, including all management, administrative and other overhead and other direct and indirect expenses, (including engineering, architectural and attorney's fees) or damages incurred by the County incident to such completion, shall be deducted from the contract price, and if such expenditures exceed the unpaid balance of the contract price, the Contractor agrees to pay promptly to the County on demand, the full amount of such excess, including costs of collection, attorneys' fees (including appeal) and interest thereon at the maximum legal rate of interest until paid.
- 4. The liability of the Contractor hereunder shall extend to and include the full amount of any and all sums paid, expenses and losses incurred, damages sustained and obligations assumed by the County in good faith under the belief that such payments or assumptions were necessary or required, in completing the work and providing labor, materials, equipment, supplies, and other items therefore or relating to the work, and in settlement, discharge, or compromise of any claims, demands, suits or judgments pertaining to or arising out of the work hereunder.
- 5. If after notice of termination of the Contractor's right to proceed pursuant to this subparagraph A it is determined for any reason that the Contractor was not in default or that his default was excusable, or that the County is not entitled to the remedies against the Contractor provided herein, then the Contractor's remedies against the County shall be the same as and limited to those afforded the Contractor pursuant to the Termination for Convenience subparagraph B below.

1. At or before the Pre-construction Conference, the Contractor shall submit a preliminary Construction Progress Schedule to the Engineer. The County will review the schedule and provide the Contractor with comments. Within ten (10) days after receipt of the County's comments, the Contractor shall deliver to the Engineer a Construction Progress Schedule in a form satisfactory to the Engineer and showing the proposed dates of commencement and completion of each of the various subdivisions of work. A bar graph format is acceptable for the Construction Progress Schedule. If required by the Engineer, at or before the Pre-construction Conference, the Contractor shall provide to the County a breakdown of estimated monthly payments for the entire duration of the contract period.
2. For lump sum contracts the Contractor shall also furnish the Engineer with a detailed estimate giving a complete breakdown of the value of items of work to be paid for the purpose of making partial payments thereon. The values employed in making up this estimate and the schedule will be used only for determining the basis of partial payment and will not be considered as fixing a basis for additions to or deductions from the contract price.
3. The Construction Progress Schedule shall be updated by the Contractor. All updates to the progress schedule shall be submitted for the Engineer's file.
4. The work shall be planned and carried out so as to minimize the interruption of existing services, and/or traffic, or as directed by the Engineer.
5. The Contractor is to furnish the Engineer for approval a Traffic Control Plan (TCP) that complies with the Manual on Uniform Traffic Control Devices (MUTCD).
6. If a National Pollution Discharge Elimination System (NPDES) Construction Permit is required for the Project, prior to construction the Contractor is to furnish the Engineer a copy of the Stormwater Pollution Prevention Plan (SWPPP).

A. Schedule

**21. SUBMITTALS**

1. The County shall have the right to terminate or suspend this Contract, in whole or in part, without cause upon seven (7) calendar days written notice to the Contractor.
2. In the event of such termination or suspension for convenience, the Contractor's sole recovery against the County shall be limited to that portion of the contract price earned through the date of termination or suspension, together with any retainage withheld and reasonable termination or suspension expenses incurred, but the Contractor shall not be entitled to any other or further recovery against the County, including, but not limited to, damages and any anticipated profit or work not performed.

B. Shop Drawings/Working Drawings

1. Four (4) complete sets of detailed shop or working drawings shall be furnished by the prime Contractor to the Engineer for review and processing. The submittal shall include all details, computations, materials, loads, stresses, member sizes, deflections, and temporary connections for precasting.

2. All shop, working and erection drawings prepared by the Contractor or his subcontractor, fabricator or supplier shall be REVIEWED, DATED, STAMPED, APPROVED, SEALED (if required), and SIGNED BY THE CONTRACTOR prior to submission to the Engineer for review by the Engineer of Record. By approving and submitting shop or working drawings, the Contractor represents that he has verified work requirements, field measurements, construction criteria, sequence of assembly and erection, access and clearances, catalog numbers and other similar data. Each submission shall indicate the specification section or bid item number and page and/or sheet number to which the submission applies. Under no circumstances will submittals be accepted from subcontractors.

The Contractor shall indicate on the working, shop and erection drawings all deviations from the Contract Documents and shall itemize all deviations in the letter of transmittal.

3. Submittals shall be made to the Engineer and will be distributed to the appropriate Design Engineer of Record by the Engineer. The Contractor shall identify each submittal by contract number and title on the form provided by the Engineer. All submittals are to be transmitted in an expeditious manner to ensure "next day delivery". After they have been reviewed by the Engineer or Design Engineer of Record, all submittals shall be stamped either "no exceptions," "exceptions noted" or "rejected" with resubmittal required and returned to the Contractor.

4. Prior to receipt of the reviewed shop or working drawings from the County, work done or materials ordered for items covered by the drawings shall be done at the Contractor's risk.

5. All submittals by the Contractor shall be made sufficiently in advance of the scheduled start of the applicable construction operation to allow for shop drawings review and for Contractor action required in addressing review comments. The review period shall begin on the day the submittal is received in the office of the Engineer and shall be completed on the day the Engineer transmits reviewed drawings to the Contractor.

6. The Contractor shall schedule the submission of shop drawing sheets (to be discussed at the pre-construction meeting) so that approximately twenty-one (21) days are allowed for review by the Engineer and Design Engineer of Record for routine work. For more complex work, the number of copies and the scheduled time for review shall be increased proportionately to the complexity of the work. Contractor submittals that are to be considered as complex and requiring proportionately greater review time include, but are not limited to, the following:

A. All of the Contractor's records related to the performance of this contract shall be open to inspection and subject to reproduction by the Engineer during normal working hours to the extent necessary to permit adequate evaluation and verification of any invoices for payment, or claims, submitted by the Contractor or any of his payees pursuant to the execution of the contract. Such records shall include, but not be limited to, accounting records, written policies and procedures, subcontractor files, original estimates, estimating work sheets, correspondence, Change Order files (including the documentation of negotiated settlements), any supporting evidence necessary to substantiate charges related to this contract, and any records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

**22. RIGHT TO AUDIT**

4. All Job mix formulas shall be submitted to the Engineer.
3. Job Mix Formula for Portland Cement Concrete: Attention is directed to the requirement that job mix design formulas for all Portland Cement Concrete, of the type specified, be submitted at least fourteen (14) days prior to use on the project. The submitted formulas shall be approved by the County and/or its agents prior to its use. All concrete mix designs shall meet FDOT Concrete Class mix guidelines or the requirements included in the Technical Specifications included in these Contract Documents.
2. Job Mix Formula for Asphaltic Concrete: Attention is directed to the provisions of FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 2013, and all supplemental specifications thereto which require the submission of job mix formulas for asphaltic concrete, of the type specified, at least fourteen (14) days before plant operations begin. The submitted formula shall be approved by the County. The Contractor shall prepare the mix formula to be submitted to the County.
1. Delivery Tickets: The Contractor shall submit a copy of all delivery tickets for materials used on the project, regardless of the basis of payment.

D. Materials

If any chemicals, or materials or products containing toxic substances are to be used at any time during this Contract, pursuant to completion of this Contract, the Contractor shall furnish a Material Safety Data Sheet to both the Lake County Department of Risk Management and the Engineer, prior to commencing such use.

C. Material Safety Data Sheets Requirement

- a. Contractor submittals of alternative design features or modifications to the original design.
- b. Contractor submittals of complex designs, unusual construction or equipment and methods requiring analysis of design calculations.

B. For the purpose of such audits, inspections, examinations and evaluations the Engineer shall have access to the said records from the effective date of this contract, for the duration of the work, and until thirty-six (36) months after the date of final payment by the County to the Contractor for performance under this contract. The Contractor hereby agrees to maintain said records in safe and dry storage until the end of this time period.

C. The Engineer shall have access to the Contractor's facilities and all necessary records in order to conduct audits in compliance with this Paragraph.

**23. INTEREST ON JUDGMENTS**

In the event of any disputes between the parties to this contract, including without limited thereto, their assignees and/or assigns, arising out of or relating in any way to this contract, which results in litigation and a subsequent judgment, award or decree against either party, it is agreed that any entitlement to post judgment interest, to either party and/or their attorneys, shall be fixed by the proper court at the rate of five (5%) percent, per annum, simple interest. Under no circumstances shall either party be entitled to pre-judgment interest. The parties expressly acknowledge and, to the extent allowed by law, hereby opt out of any provision of federal or state statute not in agreement with this paragraph.

**24. DRAINAGE AND EROSION CONTROL**

The Contractor shall so conduct his operations and maintain the work in such condition that adequate drainage and erosion control will be in effect at all times.

**25. STANDARD SPECIFICATIONS**

Unless otherwise specified, the standard specifications to be used for this work shall be the FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," 2013, Divisions II & III, hereinafter referred to as "Standard Specifications," except as amended under this Contract. Certain provisions of Division I of the "Standard Specifications" will be incorporated by specific reference; those not so incorporated are not part of this contract.

**26. PRIORITY**

In any instance where there is an apparent conflict between these Special Provisions and the corresponding terms of the "Standard Specifications," these provisions shall be controlling.

**27. SURVEY AND LAYOUT**

A. The Contractor shall be responsible for providing all lines, grades, boundaries and required survey and/or layout necessary to construct and inspect the project. All centerline control points shall be established and maintained through the contract period by the Contractor.

B. The Contractor shall employ or retain the services of a Florida registered Professional Land Surveyor to perform and supervise the establishment and setting of the project centerline control at intervals not to exceed 500 feet. All primary control points such as section corners, points of intersection, points of curvature and points of tangency shall be installed, referenced by acceptable standards, and

- I. Stakes Set by County: The Engineer will provide all construction stakes establishing right-of-way limits.
  2. Name, address and certificate registration number, if applicable, of the person in responsible charge of performing all layout, measurements and calculations for the project, if opted by the Contractor. This person must be a Contractor, Professional Land Surveyor or Professional Engineer.
  1. Name, address and certificate number of the registered Professional Land Surveyor to be in responsible charge of performing all survey control and boundary work.
  - H. The Contractor shall submit, for information only, a Survey and Layout Plan comprised of the following:
    - G. All calculations for intermediate grades and locations shall be performed by the Contractor. All calculations shall be transcribed in hardbound field books prior to layout and staking.
    - F. The Contractor shall be responsible to perform all layout in acceptable standard methods. All items shall be clearly staked and marked. Roadway items shall be staked for horizontal alignment relative to the edge of pavement with appropriate offset stakes. All vertical grades should be referenced to the nearest even foot cut or fill where practical. Tabulated cut/fill sheets are acceptable for utility work items, copies of which shall be furnished to the Engineer prior to the work.
    - E. The Contractor may perform or select the option to employ a Florida registered Professional Engineer or registered Professional Land Surveyor to provide construction layout. All layout and measurements shall be performed from control and boundaries established and maintained by the Contractor's Florida registered Professional Land Surveyor.
    - D. The Contractor's registered Professional Land Surveyor and all employees engaged in survey efforts shall keep proper documentation of survey notes in hard bound books. The use of digital data storage capabilities may be used in lieu of hardbound books. Standard ASCII files/format shall be used with software compatibility to that of the LCPWD. The Contractor shall submit for approval the selected format and software application(s).
    - C. The Contractor shall employ or retain the services of a Florida registered Professional Land Surveyor to perform and supervise the establishment of all rights-of-way/boundary staking at all project sidelines. Such staking shall be established and maintained by the Contractor's registered Professional Land Surveyor along each sideline or perimeter at each station and all points of intersection, points of curvature, and points of tangency. All stakes shall be clearly marked and identified.
- maintained through the contract period. All stakes and points shall be clearly marked and identified.

J. Preservation of Stakes and Marks: The Contractor will be held responsible for the preservation of all the stakes and marks. If any of the stakes or marks are carelessly or willfully destroyed or disturbed by the Contractor, the cost of replacing them shall be deducted from the payment for the work.

## **28. LABORATORY TESTING**

Cost of all required laboratory testing shall be borne by the County with the exception of the cost of failing tests and subsequent re-tests which shall be borne by the Contractor. Testing shall be in accordance with the Standard Specifications.

## **29. CONFORMITY OF WORK WITH PLANS**

A. All work performed and all materials furnished shall be in reasonably close conformity with the lines, grades, cross sections, dimensions, and material requirements, including tolerances, shown on the plans or indicated in the specifications.

C. In the event the Engineer finds the materials or the finished product in which the materials are used not within reasonably close conformity with the plans and specifications, but that reasonably acceptable work has been produced, he shall then make a determination if the work shall be accepted and remain in place. In this event, the Engineer will document the basis of acceptance by contract modification which will provide for an appropriate adjustment in the contract price for such work or materials as he deems necessary to conform to his determination based on engineering judgment.

D. For base and surface courses, the finished grade may vary as much as 0.1 foot from the grade shown in the plans, provided that all templets and straight edge requirements are met and that suitable transitions are effected.

## **30. GUARANTEE**

All work shall be guaranteed for eighteen (18) months after completion and acceptance of the work unless otherwise specified. The guarantees are to be construed as being supplemental in nature and in addition to any and all other remedies available to the Owner under the laws of the State of Florida.

## **31. WARRANTY**

The Contractor shall obtain and assign to the County all express warranties given to the Contractor or any subcontractors by any material suppliers, equipment or fixtures to be incorporated into the Project. The Contractor warrants to the County that any materials and equipment furnished under the Contract Documents shall be new unless otherwise specified, and that all work shall be of good quality, free from all defects and in conformance with the Contract Documents. The Contractor further warrants to the County that all materials and equipment furnished under the Contract Documents shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturers, fabricators, suppliers or processors except as otherwise provided for in the Contract Documents. Unless

otherwise specified, if within eighteen (18) months after final completion and acceptance, any work is found to be defective or not in conformance with the Contract Documents, the Contractor shall promptly after receipt of written notice from the County. The Contractor shall also be responsible for and pay for replacement or repair of adjacent materials or work which may be damaged as a result of such replacement or repair. These warranties are in addition to those implied warranties to which the County is entitled as a matter of law.

**DIVISION 5**  
STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
LOCAL AGENCY PROGRAM (LAP)  
FEDERAL REQUIREMENTS

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EXECUTIVE ORDER 11246  
EQUAL EMPLOYMENT OPPORTUNITY

Section 1.

## Executive Order 11246 - Equal Employment Opportunity

SOURCES: The provisions of Executive Order 11246 of Sept. 24, 1965, appear at 30 FR 12319, 12935, 3 CFR, 1964-1965 Comp., p.339, unless otherwise noted.

Under and by virtue of the authority vested in me as President of the United States by the Constitution and statutes of the United States, it is ordered as follows:

### Part I - Nondiscrimination in Government Employment

[Part I superseded by EO 11478 of Aug. 8, 1969, 34 FR 12985, 3 CFR, 1966-1970 Comp., p. 803]

### Part II - Nondiscrimination in Employment by Government Contractors and Subcontractors

#### Subpart A - Duties of the Secretary of Labor

SEC. 201. The Secretary of Labor shall be responsible for the administration and enforcement of Parts II and III of this Order. The Secretary shall adopt such rules and regulations and issue such orders as are deemed necessary and appropriate to achieve the purposes of Parts II and III of this Order. [Sec. 201 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230] Subpart B - Contractors' Agreements

SEC. 202. Except in contracts exempted in accordance with Section 204 of this Order, all Government contracting agencies shall include in every Government contract hereafter entered into the following provisions:

"During the performance of this contract, the contractor agrees as follows:

"(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

"(2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

"(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the

contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

"(4) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and orders of the Secretary of Labor.

"(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

"(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

"(7) The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 203. Each contractor having a contract containing the provisions prescribed in Section 202 shall file, and shall cause each of his subcontractors to file, Compliance Reports with the contracting agency or the Secretary of Labor as may be directed. Compliance Reports shall be filed within such times and shall contain such information as to the practices, policies, programs, and employment policies, programs, and employment statistics of the contractor and each subcontractor, and shall be in such form, as the Secretary of Labor may prescribe.

(b) Bidders or prospective contractors or subcontractors may be required to state whether they have participated in any previous contract subject to the provisions of this Order, or any preceding similar Executive order, and in that event to submit, on behalf of themselves and their proposed subcontractors, Compliance Reports prior to or as an initial part of their bid or negotiation of a contract.

(4) to the extent that they involve subcontracts below a specified tier. The Secretary of Labor may also provide, by rule, regulation, or order, for the exemption of facilities of a contractor which are in all respects separate and distinct from activities of the contractor related to the performance of the contract. Provided, That such an exemption will not interfere with or impede the effectuation of the purposes of this Order. And provided further, That in the absence of such an exemption, all facilities shall be covered by the provisions of this Order.

- (3) involving less than specified amounts of money or specified numbers of workers; or
- (2) for standard commercial supplies or raw materials;
- (1) whenever work is to be or has been performed outside the United States and no recruitment of workers within the limits of the United States is involved;

SEC. 204. The Secretary of Labor may, when he/she deems that special circumstances in the national interest so require, exempt a contracting agency from the requirement of including any or all of the provisions of Section 202 of this Order in any specific contract, subcontract, or purchase order. The Secretary of Labor may, by rule or regulation, also exempt certain classes of contracts, subcontracts, or purchase orders.

(d) The Secretary of Labor may direct that any bidder or prospective contractor or subcontractor shall submit, as part of his Compliance Report, a statement in writing, signed by an authorized officer or agent on behalf of any labor union or any agency referring workers or providing or supervising apprenticeship or other training, with which the bidder or prospective contractor deals, with supporting information, to the effect that the signer's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin, and that the signer either will affirmatively cooperate in the implementation of the policy and provisions of this Order or that it consents and agrees that recruitment, employment, and the terms and conditions of employment under the proposed contract shall be in accordance with the purposes and provisions of the order. In the event that the union, or the agency shall refuse to execute such a statement, the Compliance Report shall so certify and set forth what efforts have been made to secure such a statement and such additional factual material as the Secretary of Labor may require. [Sec. 203 amended by 1:O 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684; 1:O 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

(c) Whenever the contractor or subcontractor has a collective bargaining agreement or other contract or understanding with a labor union or an agency referring workers or providing or supervising apprenticeship or training for such workers, the Compliance Report shall include such information as to such labor union's or agency's practices and policies affecting compliance as the Secretary of Labor may prescribe. Provided, That to the extent such information is within the exclusive possession of a labor union or an agency referring workers or providing or supervising apprenticeship or training and such labor union or agency shall refuse to furnish such information to the contractor, the contractor shall so certify to the Secretary of Labor as part of its Compliance Report and shall set forth what efforts he has made to obtain such information.

Subpart C - Powers and Duties of the Secretary of Labor and the Contracting Agencies

SFC. 205. The Secretary of Labor shall be responsible for securing compliance by all Government contractors and subcontractors with this Order and any implementing rules or regulations. All contracting agencies shall comply with the terms of this Order and any implementing rules, regulations, or orders of the Secretary of Labor. Contracting agencies shall cooperate with the Secretary of Labor and shall furnish such information and assistance as the Secretary may require. [Sec. 205 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 206. The Secretary of Labor may investigate the employment practices of any Government contractor or subcontractor to determine whether or not the contractual provisions specified in Section 202 of this Order have been violated. Such investigation shall be conducted in accordance with the procedures established by the Secretary of Labor.

(b) The Secretary of Labor may receive and investigate complaints by employees or prospective employees of a Government contractor or subcontractor which allege discrimination contrary to the contractual provisions specified in Section 202 of this Order. [Sec. 206 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 207. The Secretary of Labor shall use his/her best efforts, directly and through interested Federal, State, and local agencies, contractors, and all other available instrumentalities to cause any labor union engaged in work under Government contracts or any agency referring workers or providing or supervising apprenticeship or training for or in the course of such work to cooperate in the implementation of the purposes of this Order. The Secretary of Labor shall, in appropriate cases, notify the Equal Employment Opportunity Commission, the Department of Justice, or other appropriate Federal agencies whenever it has reason to believe that the practices of any such labor or organization or agency violate Title VI or Title VII of the Civil Rights Act of 1964 or other provision of Federal law. [Sec. 207 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 208. The Secretary of Labor, or any agency, officer, or employee in the executive branch of the Government designated by rule, regulation, or order of the Secretary, may hold such hearings, public or private, as the Secretary may deem advisable for compliance, enforcement, or educational purposes.

(b) Pursuant to rules and regulations prescribed by the Secretary of Labor, the Secretary shall make reasonable efforts, within a reasonable time limitation, to secure compliance with the contract provisions of this Order by methods of concence, conciliation, mediation, and persuasion before proceedings shall be instituted under subsection (a)(2) of this Section, and before a contract shall be cancelled or terminated in whole or in part under subsection (a)(5) of

(6) Provide that any contracting agency shall refrain from entering into further contracts, or extensions or other modifications of existing contracts, with any noncomplying contractor, until such contractor has satisfied the Secretary of Labor that such contractor has established and will carry out personnel and employment policies in compliance with the provisions of this Order.

(5) After consulting with the contracting agency, direct the contracting agency to cancel, terminate, suspend, or cause to be cancelled, terminated, or suspended, any contract, or any portion or portions thereof, for failure of the contractor or subcontractor to comply with equal employment opportunity provisions of the contract. Contracts may be cancelled, terminated, or suspended absolutely or continuance of contracts may be conditioned upon a program for future compliance approved by the Secretary of Labor.

(4) Recommend to the Department of Justice that criminal proceedings be brought for the furnishing of false information to any contracting agency or to the Secretary of Labor as the case may be.

(3) Recommend to the Equal Employment Opportunity Commission or the Department of Justice that appropriate proceedings be instituted under Title VII of the Civil Rights Act of 1964.

(2) Recommend to the Department of Justice that, in cases in which there is substantial or material violation or the threat of substantial or material violation of the contractual provisions set forth in Section 202 of this Order, appropriate proceedings be brought to enforce those provisions, including the enjoining, within the limitations of applicable law, of organizations, individuals, or groups who prevent directly or indirectly, or seek to prevent directly or indirectly, compliance with the provisions of this Order.

(1) Publish, or cause to be published, the names of contractors or unions which it has concluded have complied or have failed to comply with the provisions of this Order or of the rules, regulations, and orders of the Secretary of Labor.

SEC. 209. In accordance with such rules, regulations, or orders as the Secretary of Labor may issue or adopt, the Secretary may:

Subpart D - Sanctions and Penalties

(b) The Secretary of Labor may hold, or cause to be held, hearings in accordance with penalties and sanctions under this Order. No order for debarment of any contractor from further Government contracts under Section 209(6) shall be made without affording the contractor an opportunity for a hearing.

this Section. [Sec. 209 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SEC. 210. Whenever the Secretary of Labor makes a determination under Section 209, the Secretary shall promptly notify the appropriate agency. The agency shall take the action directed by the Secretary and shall report the results of the action to the Secretary of Labor within such time as the Secretary shall specify. If the contracting agency fails to take the action directed within thirty days, the Secretary may take the action directly. [Sec. 210 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SEC. 211. If the Secretary shall so direct, contracting agencies shall not enter into contracts with any bidder or prospective contractor unless the bidder or prospective contractor has satisfactorily complied with the provisions of this Order or submits a program for compliance acceptable to the Secretary of Labor. [Sec. 211 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SEC. 212. When a contract has been cancelled or terminated under Section 209(a)(5) or a contractor has been debarred from further Government contracts under Section 209(a)(6) of this Order, because of noncompliance with the contract provisions specified in Section 202 of this Order, the Secretary of Labor shall promptly notify the Comptroller General of the United States. [Sec. 212 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

Subpart E - Certificates of Merit

SEC. 213. The Secretary of Labor may provide for issuance of a United States Government Certificate of Merit to employers or labor unions, or other agencies which are or may hereafter be engaged in work under Government contracts, if the Secretary is satisfied that the personnel and employment practices of the employer, or that the personnel, training, apprenticeship, membership, grievance and representation, upgrading, and other practices and policies of the labor union or other agency conform to the purposes and provisions of this Order.

SEC. 214. Any Certificate of Merit may at any time be suspended or revoked by the Secretary of Labor if the holder thereof, in the judgment of the Secretary, has failed to comply with the provisions of this Order.

SEC. 215. The Secretary of Labor may provide for the exemption of any employer, labor union, or other agency from any reporting requirements imposed under or pursuant to this Order if such employer, labor union, or other agency has been awarded a Certificate of Merit which has not been suspended or revoked.

Part III - Nondiscrimination Provisions in Federally Assisted Construction Contracts

SEC. 301. Each executive department and agency, which administers a program involving Federal financial assistance shall require as a condition for the approval of any grant, contract, loan, insurance, or guarantee thereunder, which may involve a construction contract, that the applicant for Federal assistance undertake and agree to incorporate, or cause to be incorporated, into all construction contracts paid for in whole or in part with funds obtained from the Federal

Government or borrowed on the credit of the Federal Government pursuant to such grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the provisions prescribed for Government contracts by Section 202 of this Order or such modification thereof, preserving in substance the contractor's obligations thereunder, as may be approved by the Secretary of Labor, together with such additional provisions as the Secretary deems appropriate to establish and protect the interest of the United States in the enforcement of those obligations. Each such applicant shall also undertake and agree (1) to assist and cooperate actively with the Secretary of Labor in obtaining the compliance of contractors and subcontractors with those contract provisions and with the rules, regulations and relevant orders of the Secretary, (2) to obtain and to furnish to the Secretary of Labor such information as the Secretary may require for the supervision of such compliance, (3) to carry out sanctions and penalties for violation of such obligations imposed upon contractors and subcontractors by the Secretary of Labor pursuant to Part II, Subpart D, of this Order, and (4) to refrain from entering into any contract subject to this Order, or extension or other modification of such a contract with a contractor debarred from Government contracts under Part II, Subpart D, of this Order. [Sec. 301 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SEC. 302. "Construction contract" as used in this Order means any contract for the construction, rehabilitation, alteration, conversion, extension, or repair of buildings, highways, or other improvements to real property.

(b) The provisions of Part II of this Order shall apply to such construction contracts, and for purposes of such application the administering department or agency shall be considered the contracting agency referred to therein.

(c) The term "applicant" as used in this Order means an applicant for Federal assistance or, as determined by agency regulation, other program participant, with respect to whom an application for any grant, contract, loan, insurance, or guarantee is not finally acted upon prior to the effective date of this Part, and it includes such an applicant after he/she becomes a recipient of such Federal assistance.

SEC. 303. The Secretary of Labor shall be responsible for obtaining the compliance of such applicants with their undertakings under this Order. Each administering department and agency is directed to cooperate with the Secretary of Labor and to furnish the Secretary such information and assistance as the Secretary may require in the performance of the Secretary's functions under this Order.

(b) In the event an applicant fails and refuses to comply with the applicant's undertakings pursuant to this Order, the Secretary of Labor may, after consulting with the administering department or agency, take any or all of the following actions: (1) direct any administering department or agency to cancel, terminate, or suspend in whole or in part the agreement, contract or other arrangement with such applicant with respect to which the failure or refusal occurred; (2) direct any administering department or agency to refrain from extending any further assistance to the applicant under the program with respect to which the failure or refusal occurred until satisfactory assurance of future compliance has been received by the Secretary of

Labor from such applicant; and (3) refer the case to the Department of Justice or the Equal Employment Opportunity Commission for appropriate law enforcement or other proceedings.

(c) In no case shall action be taken with respect to an applicant pursuant to clause (1) or (2) of subsection (b) without notice and opportunity for hearing. [Sec. 303 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 304. Any executive department or agency which imposes by rule, regulation, or order requirements of nondiscrimination in employment, other than requirements imposed pursuant to this Order, may delegate to the Secretary of Labor by agreement such responsibilities with respect to compliance standards, reports, and procedures as would tend to bring the administration of such requirements into conformity with the administration of requirements imposed under this Order. That actions to effect compliance by recipients of Federal financial assistance with requirements imposed pursuant to Title VI of the Civil Rights Act of 1964 shall be taken in conformity with the procedures and limitations prescribed in Section 602 thereof and the regulations of the administering department or agency issued thereunder.

Part IV - Miscellaneous

SFC. 401. The Secretary of Labor may delegate to any officer, agency, or employee in the Executive branch of the Government, any function or duty of the Secretary under Parts II and III of this Order. [Sec. 401 amended by EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

SFC. 402. The Secretary of Labor shall provide administrative support for the execution of the program known as the "Plans for Progress."

SFC. 403. Executive Orders Nos. 10590 (January 19, 1955), 10722 (August 5, 1957), 10925 (March 6, 1961), 11114 (June 22, 1963), and 11162 (July 28, 1964), are hereby superseded and the President's Committee on Equal Employment Opportunity established by Executive Order No. 10925 is hereby abolished. All records and property in the custody of the Committee shall be transferred to the Office of Personnel Management and the Secretary of Labor, as appropriate.

(b) Nothing in this Order shall be deemed to relieve any person of any obligation assumed or imposed under or pursuant to any Executive Order superseded by this Order. All rules, regulations, orders, instructions, designations, and other directives issued by the President's Committee on Equal Employment Opportunity and those issued by the heads of various departments or agencies under or pursuant to any of the Executive orders superseded by this Order, shall, to the extent that they are not inconsistent with this Order, remain in full force and effect unless and until revoked or superseded by appropriate authority. References in such directives to provisions of the superseded orders shall be deemed to be references to the comparable provisions of this Order. [Sec. 403 amended by EO 12107 of Dec. 28, 1978, 44 FR 1055, 3 CFR, 1978 Comp., p. 264]

SEC. 404. The General Services Administration shall take appropriate action to revise the standard Government contract forms to accord with the provisions of this Order and of the rules and regulations of the Secretary of Labor.

SEC. 405. This Order shall become effective thirty days after the date of this Order.

FHWA Form 1273

SECTION 2

**REQUIREMENTS FOR FEDERAL JOBS – COMPLIANCE WITH FHWA 1273.  
(REV 7-16-12) (8-12)**

SUBARTICLE 7-1.1 (Pages 56-68) is expanded by the following:

The FHWA-1273 Electronic version, dated May 1, 2012 is posted on the Department's website at the following URL address

<http://www.dot.state.fl.us/specificationsoffice/Implemented/URLInSpecs/Files/FHWA1273.pdf>

Take responsibility to obtain this information and comply with all requirements posted on this website up through five calendar days before the opening of bids.

Comply with the provisions contained in FHWA-1273.

In addition to the requirements of Section IV, No. 3(a), include gender and race in the weekly annotated payroll records.

If the Department's website cannot be accessed, contact the Department's Specifications Office Web Coordinator at (850) 414-4101.

REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety; Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

- A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate supervision and to all work performed on the contract by piecemeal, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless its labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

c. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 31, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794) and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR 1625-1627, 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

The contractor and all subcontractors must comply with the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-1.3.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-1.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794) and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 31, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies such information.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so notify to the contracting agency and shall set forth what efforts have been made to obtain such information.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

7. **Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area supervised as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

**6. Training and Promotion:**

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

5. **Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

a. The contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

**III. NONSEGREGATED FACILITIES**

B. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form LHW-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

- a. The records kept by the contractor shall document the following:
  - (1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;
  - (2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and
  - (3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the ECO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

- a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

**10. Assurance Required by 49 CFR 26.13(b):**

- a. The contractor shall notify all potential subcontractors and suppliers and lessors of their ECO obligations under this contract.
- b. The contractor will use good faith efforts to ensure subcontractor compliance with their ECO obligations.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualified minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

#### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

##### 1. Minimum wages

- a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein. Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates confirmed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

- b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in accordance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits hereof only when the following criteria have been met:

- (i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (ii) The classification is utilized in the area by the construction industry; and
- (iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

- (2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

- (4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(j) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmissions. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/eis/whd/forms/wh347inst.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT. The FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency.

(2) The contractor shall maintain by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents in lieu of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborer or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the rates and wage rates prescribed in the applicable programs.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents in lieu of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborer or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the rates and wage rates prescribed in the applicable programs.

2. Withholding

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

b. Trainees (programs of the USDOL).

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits in accordance with the provisions of the applicable wage determination for the applicable classification, fringes shall be paid in accordance with that determination.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the job site in excess of the rate permitted under the registered program shall be paid not less than the applicable wage rate on the job site in which the program is registered, the rates and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

a. Apprentices (programs of the USDOL).

4. Apprentices and trainees

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, advance, or guarantee or funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

1. **Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

- c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.
- b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

10. Certification of eligibility.

9. **Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

8. **Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

7. **Contract termination; debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

6. **Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

6. **Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wages for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

d. Apprentices and Trainees (programs of the U.S. DOT).

c. **Equal employment opportunity.** The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the 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 contracting officer determines is necessary to assure the performance of the contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

b. "Specialty Items" shall be 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 or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

(1) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project;

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees; and  
The term "perform work with its own organization" refers to workers employed or leased 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 or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

a. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items performed by the contractor's own organization (23 CFR 635.116).  
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.

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

### VI. SUBLETTING OR ASSIGNING THE CONTRACT

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

**IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

Shall be fined under this title or imprisoned not more than 5 years or both."

submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

18 U.S.C. 1020 reads as follows:

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

**VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS**

Standards Act (40 U.S.C.3704).

have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall

the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

**VII. SAFETY: ACCIDENT PREVENTION**

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

1. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

f. The prospective first tier participant agrees by submitting this proposal that should the proposed covered transaction be declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract), "Lower Tier Covered Transactions" refers to any covered transaction (such as subcontract), "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contract), "Lower Tier Participant" refers to any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause or default.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

**1. Instructions for Certification – First Tier Participants:**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

**X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
  2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.
- By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause (the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification), in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

c. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contract). "Lower Tier Participant" refers to any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participant (such as subcontractors and suppliers).

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, the agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

**2. Instructions for Certification - Lower Tier Participants:**

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

**2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - First Tier Participants:**

\*\*\*\*  
f. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

3. The prospective participant also agrees by submitting his bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress, in connection with the awarding of any Federal contract, the making of any Federal loan, the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

\*\*\*\*\*

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

\*\*\*\*\*

1. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

- a. To the extent that qualified persons regularly residing in the area are not available.
- b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.
- c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed by the contractor on the contract work, except as provided in subparagraph (1) percent of the total number of employees employed by the contractor on the contract work, shall not exceed 20

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work; (b) the number of employees required in each classification; (c) the date on which the participant estimates such employees will be required; and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

**FDOT STANDARD DEFINITIONS AND SPECIFICATIONS**

**SECTION 3**

**4-3.7 Differing Site Conditions:** 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, 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 discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the Contractor disturbs the conditions or performs the affected work.

Upon receipt of written notification of differing site conditions from the Contractor, the Engineer will investigate the conditions, and if it is determined 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. The Engineer will notify the Contractor whether or not an adjustment of the Contract is warranted.

The Engineer will not allow a Contract adjustment for a differing site condition unless the Contractor has provided the required written notice.

The Engineer will not allow a Contract adjustment under this clause for any effects caused to any other Department or non-Department projects on which the Contractor may be working.

6-5 Products and Source of Supply.

6-5.1 Source of Supply--Convict Labor (Federal-Aid Contracts Only): 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.

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.

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.

6-5.2 Source of Supply--Steel (Federal-Aid Contracts Only): 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 melting and mixing and continuing through the heading and coiling 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. 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 the 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 5 (actual value). Furnish each such certification to the Engineer prior to incorporating the material into the project. When F1WA allows the use of foreign steel on a project, furnish invoices to document the cost of such material, and obtain the Engineer's written approval prior to incorporating the material into the project.

DAVIS-BACON WAGE TABLES

FDOT SPECIAL PROVISIONS ARTICLE 7.16 &

SECTION 4

## WAGE RATES FOR FEDERAL-AID PROJECTS

For this Contract, payment of predetermined minimum wages applies. The U.S. Department of Labor Wage Rates applicable to this Contract are listed in Wage Rate Decision Number(s) FL120220, as modified up through ten days prior to the opening of bids.

Obtain the applicable General Decision(s) (Wage Tables) through the Department's website and ensure that employees receive the minimum wages applicable. Review the General Decisions for all classifications necessary to complete the project. Request additional classifications through the Engineer's office when needed.

When multiple wage tables are assigned to a Contract, general guidance of their use and examples of construction applicability is available on the Department's website. Contact the Department's Wage Rate Coordinator before bidding if there are still questions concerning the applicability of multiple wage tables. The URL for obtaining the Wage Rate Decisions is [www.dot.state.fl.us/construction/wage.shtm](http://www.dot.state.fl.us/construction/wage.shtm).

Contact the Department's Wage Rate Coordinator at (850) 414-4492 if the Department's website cannot be accessed or there are questions.

General Decision Number: FL120220 10/26/2012 FL220

Superseded General Decision Number: FL20100319

State: Florida

Construction Type: Highway

County: Lake County in Florida.

HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/06/2012
1	09/28/2012
2	10/26/2012

ELRC0756-005 09/01/2012

	Rates	Fringes
ELECTRICIAN.....	\$ 20.80	2.5%+9.13

\* SUFL2009-216 08/05/2009

	Rates	Fringes
CARPENTER, Excludes Form Work....	\$ 12.47	1.00
CEMENT MASON/CONCRETE FINISHER...	\$ 12.14	0.00
FORM WORKER.....	\$ 14.63	0.00
HIGHWAY/PARKING LOT STRIPING: Operator (Striping Machine).....	\$ 11.97	2.23
HIGHWAY/PARKING LOT STRIPING: Painter.....	\$ 13.31	0.00
IRONWORKER, REINFORCING.....	\$ 14.50	1.37
IRONWORKER, STRUCTURAL.....	\$ 16.75	3.88
LABORER: Asphalt Raker.....	\$ 10.81	0.00
LABORER: Asphalt Shoveler.....	\$ 10.70	0.00
LABORER: Common or General.....	\$ 8.21	0.00
LABORER: Flagger.....	\$ 8.58	0.00
LABORER: Grade Checker.....	\$ 10.50	0.55
LABORER: Landscape & Irrigation.....	\$ 9.77	0.00
LABORER: Lubeman.....	\$ 10.32	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00	1.80

LABORER: Pipelayer.....	\$ 11.13	0.00
LABORER: Power Tool Operator (Hand Held Drills/Saws, Jackhammer and Power Saws Only).....	\$ 11.23	1.96
OPERATOR: Asphalt Paver.....	\$ 11.98	0.00
OPERATOR: Asphalt Plant.....	\$ 12.20	0.00
OPERATOR: Asphalt Spreader.....	\$ 11.38	0.00
OPERATOR: Auger.....	\$ 19.40	0.44
OPERATOR: Backhoe Loader Combo.....	\$ 15.33	0.97
OPERATOR: Backhoe/Excavator.....	\$ 14.58	2.57
OPERATOR: Boom.....	\$ 16.51	0.00
OPERATOR: Bulldozer.....	\$ 14.65	2.95
OPERATOR: Crane.....	\$ 17.25	1.42
OPERATOR: Distributor.....	\$ 11.50	0.00
OPERATOR: Drill.....	\$ 13.00	1.59
OPERATOR: Grader/Blade.....	\$ 11.63	0.00
OPERATOR: Loader.....	\$ 13.11	2.40
OPERATOR: Mechanic.....	\$ 16.31	3.76
OPERATOR: Milling Machine.....	\$ 12.10	0.00
OPERATOR: Oiler.....	\$ 12.64	0.95
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 12.14	0.77
OPERATOR: Piledriver.....	\$ 19.00	5.77
OPERATOR: Roller.....	\$ 10.76	0.00
OPERATOR: Scraper.....	\$ 11.16	1.12
OPERATOR: Screed.....	\$ 11.17	0.00
OPERATOR: Tractor.....	\$ 11.06	1.61
OPERATOR: Trencher.....	\$ 13.41	0.49
PAINTER: Spray and Steel.....	\$ 16.62	0.00
TRUCK DRIVER, Includes 10 Yard Haul Away, A-Frame,		

Dump, Water Truck.....	\$ 12.50	0.00
TRUCK DRIVER: 1/Single Axle Truck.....	\$ 10.25	0.00
TRUCK DRIVER: 3 Axle Truck.....	\$ 9.10	0.00
TRUCK DRIVER: 4 Axle Truck.....	\$ 11.14	0.00
TRUCK DRIVER: Dump Truck.....	\$ 10.00	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 11.31	0.00
TRUCK DRIVER: Material Truck....	\$ 12.76	9.80
TRUCK DRIVER: Tractor Haul Truck.....	\$ 10.64	0.00
TRUCK DRIVER: Water Truck.....	\$ 10.50	0.00
TRUCK DRIVER: Distributor, Dump, Lowboy and Tandem.....	\$ 12.89	1.85
TRUCK DRIVER.....	\$ 9.75	1.52

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

#### Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage

determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

0000/9999: weighted union wage rates will be published annually each January.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
 Wage and Hour Division  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.

Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SECTION 5

SUSPENSION, DEBARMENT, NON-COLLUSION,  
LOBBYING CERTIFICATION

## LOCAL AGENCY PROGRAM/FEDERAL-AID CERTIFICATION

The Bidder hereby declares that the undersigned is the person or persons responsible within the firm for the final decision as to the price(s) and amount of this bid and the Bidder further declares that:

1. The price(s) and amount of this bid have been arrived at independently, without consultation, communication, or agreement for the purpose of restricting competition with any other contractor, bidder or potential bidder.
2. Neither the price(s) nor the amount of this bid have been disclosed to any other firm or person who is a bidder or potential bidder on this project, and will not be so disclosed prior to the bid opening.
3. No attempt has been made or will be made to solicit, cause, or induce any firm or person to refrain from bidding on this project, or to submit a bid higher than the bid of this firm, or any intentionally high or non-competitive bid or other form of complementary bid.
4. The bid is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any other firm or person to submit a complementary bid.
5. The Bidder has not offered or entered into a subcontract or agreement regarding the purchase of materials or services from any other firm or person, or offered, promised, or paid cash or anything of value to any other Bidder or person, whether in connection with this or any other project, in consideration for an agreement or promise by any other firm or person to refrain from bidding or to submit a complementary bid on this project.
6. The Bidder has not accepted or been promised any subcontract or agreement regarding the sale of materials or services to any other firm or person, and has not been promised or paid cash or anything of value by any other firm or person, whether in connection with this or any other project, in consideration for the firm's submitting a complementary bid, or agreeing to do so, on this project.
7. The Bidder has made a diligent inquiry of all members, officers, employees, and agents of the Bidder with responsibilities relating to the preparation, approval or submission of the firm's bid on this project and have been advised by each of them that he or she has not participated in any communication, consultation, discussion, agreement, collusion, act, or other conduct inconsistent with any of the statements and representations made in this Declaration.

8. As required by Section 337.165, Florida Statutes, the Bidder has fully informed the CITY in writing of all convictions of the firm, its affiliates (as defined in Section 337.165(1)(a), Florida Statutes), and all directors, officers, and employees of the firm and its affiliates for violation of state or federal antitrust laws with respect to a public contract or for violation of any state or federal law involving fraud, bribery, collusion, conspiracy, or material misrepresentation with respect to a public contract. This includes disclosure of the names of current employees of the firm or affiliates who were convicted of contract crimes while in the employ of another company.
9. The Bidder certifies that, except as noted below, neither the firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:
- a. is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR §29.110(a), by any federal department or agency;
  - b. has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - c. is presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph 9(b) of this certification; and
  - d. has within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.
10. The Bidder certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the CITY.

11. The firm certifies that the bidder is not a nonresident alien, or a foreign corporation/entity formed under the laws of a country other than the United States.

12. The Bidder certifies that no Federally appropriated funds have been paid, or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence any officer or employee of any Federal agency, a Member of Congress an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan or cooperative agreement.

If any funds other than Federally appropriated funds have been paid by the Agency to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Where the Bidder is unable to declare or certify as to any of the statements contained in the above stated paragraphs numbered (1) through (12), the Bidder has provided an explanation by attached separate sheet.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signatory

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

**SECTION 6**

**FDOT DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**DBE BID PACKAGE INFORMATION**

275-030-11  
EQUAL OPPORTUNITY OFFICE  
11/12  
Page 1 of 2

### **DBE Utilization**

The Department began its DBE race neutral program January 1, 2000. **Contract specific goals are not placed on Federal/State contracts;** however, the Department has an overall 8.60% DBE goal it must achieve. In order to assist contractors in determining their DBE commitment level, the Department has reviewed the estimates for this letting.

As you prepare your bid, please monitor potential or anticipated DBE utilization for contracts. When the low bidder executes the contract with the Department, information will be requested of the contractor's DBE participation for the project. While the utilization is not mandatory in order to be awarded the project, continuing utilization of DBE firms on contracts supports the success of Florida's DBE Program, and supports contractors' Equal Employment Opportunity and DBE Affirmative Action Programs.

Any project listed as 0% DBE availability does not mean that a DBE may not be used on that project. A 0% DBE availability may have been established due to any of the following reasons: limited identified subcontracting opportunities, minimal contract days, and/or small contract dollar amount. Contractors are encouraged to identify any opportunities to subcontract to DBE's.

Please contact the Equal Opportunity Office at (850) 414-4747 if you have any questions regarding this information. Forms may be downloaded at: [www.dot.state.fl.us/proceduraldocuments/](http://www.dot.state.fl.us/proceduraldocuments/) .

### **DBE Reporting**

If you are the prime contractor on a project, complete the Anticipated DBE Participation Statement through the Equal Opportunity Compliance system within 3 business days after the pre-construction or pre-work conference for all federal and state funded projects. This **will not** become a mandatory part of the contract. It will assist the Department in tracking and reporting planned or estimated DBE utilization. During the contract, the prime contractor is required to report actual payments to DBE and MBE subcontractors through the web-based Equal Opportunity Compliance (EOC) system.

All DBE payments must be reported whether or not you initially planned to utilize the company. In order for our race neutral DBE Program to be successful, your cooperation is imperative. If you have any questions, please contact EOOHelp@dot.state.fl.us.

### **Bid Opportunity List**

The Federal DBE Program requires States to maintain a database of all firms that are participating or attempting to participate on FDOT-assisted contracts. The list must include all firms that bid on prime contracts or bid or quote subcontracts on FDOT-assisted projects, including both **DBE's and non-DBE's**.

Please complete the Bidders Opportunity List through the Equal Opportunity Compliance system within 3 business days of submission of the bid or proposal for ALL subcontractors or sub-consultants who quoted to you for specific project for this letting. The web address to the Equal Opportunity Compliance system is:

<https://www3.dot.state.fl.us/EqualOpportunityCompliance/Account.aspx/Login?ReturnUrl=%2fEqualOpportunityCompliance%2f> .

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**DBE BID PACKAGE INFORMATION**

275-030-11  
EQUAL OPPORTUNITY OFFICE  
11/12  
Page 2 of 2

**DBE/AA Plans**

Contractors bidding on FDOT contracts are to have an approved DBE Affirmative Action Plan (FDOT Form 275-030-11B) on file with the FDOT Equal Opportunity Office before execution of a contract. DBE/AA Plans must be received with the contractors bid or received by the Equal Opportunity Office prior to the award of the contract.

Plans are approved by the Equal Opportunity Office in accordance with Ch. 14-78, Florida Administrative Code. Plans that do not meet these mandatory requirements may not be approved. Approvals are for a (3) three year period and should be updated at anytime there is a change in the company's DBE Liaison Officer and/or President. Contractors may evidence adoption of the DBE/AA Policy and Plan and/or a change in the designated DBE Liaison officer as follows:

- Print the first page of the document on company stationery ("letterhead") that indicates the company's name, mailing address, phone number, etc.
- Print the company's name in the "\_\_\_" space; next to "Date" print the month/day/year the policy is being signed; record the signature of the company's Chief Executive Officer, President or Chairperson in the space next to "by" and print the full first and last name and position title of the official signing the policy.
- Print the DBE Liaison's full name, email address, business mailing address and phone number the bottom of email.

E-mail the completed and signed DBE AA Plan to: [ceofirms@dot.state.fl.us](mailto:ceofirms@dot.state.fl.us).

The Department will review the policy, update department records and issue a notification of approval or disapproval; a copy of the submitted plan will not be returned to the contractor.

**SECTION 7**

**FDOT Special Provisions  
Disadvantaged Business Enterprise Program**

**DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**  
**(REV 11-24-10) (FA 1-21-11) (7-11)**

**7-24 Disadvantaged Business Enterprise Program.**

**7-24.1 Disadvantaged Business Enterprise Affirmative Action Plan:** Prior to award of the Contract, have an approved Disadvantaged Business Enterprise (DBE) Affirmative Action Program Plan filed with the Equal Opportunity Office. Update and resubmit the plan every three years. No Contract will be awarded until the Department approves the Plan. The DBE Affirmative Action Program Plan is incorporated into and made a part of the Contract.

**7-24.2 Required Contract and Subcontract DBE Assurance Language:** In accordance with 49 CFR 26.13 (b), the Contract FDOT signs with the Contractor (and each subcontract the prime contractor signs with a subcontractor) must include the following assurance: "The Contractor, sub-recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted Contracts. Failure by the Contractor to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the recipient deems appropriate."

**7-24.3 Plan Requirements:** Include the following in the DBE Affirmative Action Program Plan:

(a) A policy statement, signed by an authorized representative (president, chief executive officer, or chairman of the contractor), expressing a commitment to use DBEs in all aspects of contracting to the maximum extent feasible, outlining the various levels of responsibility, and stating the objectives of the program. Circulate the policy statement throughout the Contractor's organization.

(b) The designation of a Liaison Officer within the Contractor's organization, as well as support staff, necessary and proper to administer the program, and a description of the authority, responsibility, and duties of the Liaison Officer and support staff. The Liaison Officer and staff are responsible for developing, managing, and implementing the program on a day-to-day basis for carrying out technical assistance activities for DBEs and for disseminating information on available business opportunities so that DBEs are provided an equitable opportunity to participate in Contracts let by the Department.

(c) Utilization of techniques to facilitate DBE participation in contracting activities which include, but are not limited to:

1. Soliciting price quotations and arranging a time for the review of plans, quantities, specifications, and delivery schedules, and for the preparation and presentation of quotations.
2. Providing assistance to DBEs in overcoming barriers such as the inability to obtain bonding, financing, or technical assistance.
3. Carrying out information and communication programs or workshops on contracting procedures and specific contracting opportunities in a timely manner, with such programs being bilingual where appropriate.
4. Encouraging eligible DBEs to apply for certification with the Department.
5. Contacting Minority Contractor Associations and city and county agencies with programs for disadvantaged individuals for assistance in recruiting and encouraging eligible DBE contractors to apply for certification with the Department.

**7-24.4 DBE Records and Reports:** Submit the Anticipated DBE Participation Statement at or before the Pre-Construction Conference. Report monthly, through the Equal Opportunity

Reporting System on the Department's Website, actual payments (including retainage) made to DBEs for work performed with their own workforce and equipment in the area in which they are certified. Report payments made to all DBE and Minority Business Enterprise (MBE) subcontractors and DBE and MBE construction material and major suppliers. The Equal Opportunity Office will provide instructions on accessing this system. Develop a record keeping system to monitor DBE affirmative action efforts which include the following:

- (a) the procedures adopted to comply with these Specifications;
- (b) the number of subordinated Contracts on Department projects awarded to DBEs;
- (c) the dollar value of the Contracts awarded to DBEs;
- (d) the percentage of the dollar value of all subordinated Contracts awarded to DBEs as a percentage of the total Contract amount;
- (e) a description of the general categories of Contracts awarded to DBEs; and
- (f) the specific efforts employed to identify and award Contracts to DBEs.

Upon request, provide the records to the Department for review.

Maintain all such records for a period of five years following acceptance of final payment and have them available for inspection by the Department and the Federal Highway Administration.

**7-24.5 Counting DBE Participation and Commercially Useful Functions:** 49 CFR Part 26.55 specifies when DBE credit shall be awarded for work performed by a DBE. DBE credit can only be awarded for work actually performed by DBEs themselves for the types of work for which they are certified. On the Anticipated DBE Participation Statement only include the dollars that a DBE is expected to earn for work they perform with their own workforce and equipment. Submit a revised Anticipated DBE Participation Statement to reflect changes to the initial Anticipated DBE Participation Statement within 14 business days from the date of the change.

When a DBE participates in a contract, the value of the work is determined in accordance with 49 CFR Part 26.55, for example:

(a) The Department will count only the value of the work performed by the DBE toward DBE goals. The entire amount of the contract that is performed by the DBE's own forces (including the cost of supplies, equipment and materials obtained by the DBE for the contract work) will be counted as DBE credit.

(b) The Department will count the entire amount of fees or commissions charged by the DBE firm for providing a bona fide service, such as professional, technical, consultant, or managerial services or for providing bonds or insurance specifically required for the performance of a Department-assisted contract, toward DBE goals, provided that the Department determines the fees to be reasonable and not excessive as compared with fees customarily followed for similar services.

(c) When the DBE subcontracts part of the work of its contract to another firm, the Department will count the value of the subcontracted work only if the DBE's subcontractor is itself a DBE. Work that a DBE subcontracts to a non-DBE firm does not count toward DBE goals.

(d) When a DBE performs as a participant in a joint venture, the Department will count the portion of the dollar value of the contract equal to the distinct, clearly defined portion of the work the DBE performs with its own forces toward DBE goals.

(e) The Contractors shall ensure that only expenditures to DBEs that perform a commercially useful function in the work of a contract may be counted toward the voluntary DBE goal.

(f) A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating

price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.

(g) To determine whether a DBE is performing a commercially useful function, the Department will evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors.

(h) A DBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation.

(i) If a DBE does not perform or exercise responsibility for at least 30% of the total cost of its contract with its own workforce, or if the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved, the DBE has not performed a commercially useful function.

**7-24.6 Prompt Payments:** Meet the requirements of 9-5 for payments to all DBE subcontractors.

**SECTION 8**

**FDOT Special Provisions**

**E-Verify**

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – E-VERIFY.  
(REV 1-19-11) (2-11)**

SECTION 7 (Pages 56 – 80) is expanded by the following new Article:

**7-28 E-Verify.**

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 all persons employed by the Contractor during the term of the Contract to perform employment duties within Florida and all persons, including subcontractors, assigned by the Contractor to perform work pursuant to the Contract with the Department.

**SECTION 9**

**FDOT SPECIFICATIONS (GENERAL)**

**EARTHWORK AND RELATED OPERATIONS FOR LAP – SECTION 120**

**HOT MIX ASPHALT FOR LAP – SECTION 334**

**CONCRETE FOR LAP – SECTION 344**

**LANDSCAPING INSTALLATION FOR LAP – SECTION 580**

**EARTHWORK AND RELATED OPERATIONS FOR LAP (OFF-SYSTEM).**  
(REV 1-23-12) (FA 2-27-12)

**SECTION 120**  
**EARTHWORK AND RELATED OPERATIONS FOR LAP (OFF-SYSTEM)**

*120-1 Description.*

120-1.1 General: Perform earthwork and related operations based on the type of work specified in the Contract and the Earthwork Categories as defined below. Meet the applicable requirements for materials, equipment and construction as specified.

Earthwork and related operations consists of excavation for the construction of the roadway, excavation for structures and pipe, constructing backfill around structures and pipe, and constructing embankments as required for the roadway, ditches, and channel changes.

120-1.2 Earthwork Categories: Performance of Earthwork Operations will fall into one of the following Earthwork Categories:

120-1.2.1 Earthwork Category 1: Includes the earthwork and related operations associated with the construction of sidewalks and bike paths along with any drainage structures associated with these facilities.

120-1.2.2 Earthwork Category 2: Includes the earthwork and related operations associated with the construction of turn lanes and other non-mainline traffic lanes, widening, roadway shoulders, concrete box culverts, retaining walls, and other drainage structures on the non-mainline pavement.

120-1.2.3 Earthwork Category 3: Includes the earthwork and related operations associated with the construction of new mainline pavement, along with concrete box culverts, retaining walls, and other drainage structures on the mainline pavement.

*120-2 Classes of Excavation.*

120-2.1 Excavation of Unsuitable Material: Excavation of unsuitable material consists of the removal of muck, clay, rock or any other material that is unsuitable in its original position and that is excavated below the finished grading template. For stabilized bases and sand bituminous road mixes, the finished grading template is the top of the finished base, shoulders and slopes. For all other bases and rigid pavement, the finished grading template is the finished shoulder and slope lines and bottom of completed base or rigid pavement.

120-2.2 Lateral Ditch Excavation: Lateral ditch excavation consists of all excavation of inlet and outlet ditches to structures and roadway, changes in channels of streams, and ditches parallel to the roadway right-of-way. Dress lateral ditches to the grade and cross-section shown in the plans.

120-2.3 Channel Excavation: Channel excavation consists of the excavation and satisfactory disposal of all materials from the limits of the channel as shown in the plans.

120-2.4 Excavation for Structures and Pipe: Excavation for structures consists of the excavation for bridge foundations, box culverts, pipe culverts,

storm sewers and all other pipe lines, retaining walls, headwalls for pipe culverts and drains, catch basins, drop inlets, manholes, and similar structures.

*120-3 Excavation Requirements.*

120-3.1 Excavation and Replacement of Unsuitable Materials: Where rock, muck, clay, or other material within the limits of the roadway is unsuitable in its original position, excavate such material to the cross-sections shown in the plans or indicated by the Engineer, and backfill with suitable material. Shape backfill materials to the required cross-sections. Where the removal of plastic soils below the finished earthwork grade is required, meet a construction tolerance of plus or minus 0.2 foot in depth and plus or minus 6 inches (each side) in width.

120-3.2 Lateral Ditch Excavation: Excavate inlet and outlet ditches to structures and roadway, changes in channels of streams and ditches parallel to the roadway. Dress lateral ditches to the grade and cross-section shown in the plans.

120-3.3 Channel Excavation: Excavate and dispose of all materials from the limits of the channel as shown in the plans. Excavate for bridge foundations, box culverts, pipe culverts, storm sewers and all other pipe lines, retaining walls, headwalls for pipe culverts and drains, catch basins, drop inlets, manholes, and similar structures.

120-3.4 Excavation for Structures and Pipe.

120-3.4.1 Requirements for all Excavation: Excavate foundation pits to permit the placing of the full widths and lengths of footings shown in the plans, with full horizontal beds. Do not round or undercut corners or edges of footings. Perform all excavation to foundation materials, satisfactory to the Engineer, regardless of the elevation shown on the plans. Perform all excavation in stream beds to a depth at least 4 feet below the permanent bed of the stream, unless a firm footing can be established on solid rock before such depth is reached, and excavate to such additional depth as may be necessary to eliminate any danger of undermining. Wherever rock bottom is secured, excavate in such manner as to allow the solid rock to be exposed and prepared in horizontal beds for receiving the masonry. Remove all loose and disintegrated rock or thin strata. Have the Engineer inspect and approve all foundation excavations prior to placing masonry.

120-3.4.2 Earth Excavation:

120-3.4.2.1 Foundation Material other than the Rock: When masonry is to rest on an excavated surface other than rock, take special care to avoid disturbing the bottom of the excavation, and do not remove the final foundation material to grade until just before placing the masonry. In case the foundation material is soft or mucky, the Engineer may require excavation to a greater depth and to backfill to grade with approved material.

120-3.4.2.2 Foundation Piles: Where foundation piles are used, complete the excavation of each pit before driving the piles. After the driving is completed, remove all loose and displaced material, leaving a smooth, solid, and level bed to receive the masonry.

120-3.4.2.3 Removal of Obstructions: Remove boulders, logs, or any unforeseen obstacles encountered in excavating.

120-3.4.3 Rock Excavation: Clean all rock and other hard foundation material, remove all loose material, and cut all rock to a firm surface. Either level, step vertically and horizontally, or serrate the rock, as may be directed by the Engineer. Clean out all seams, and fill them with concrete or mortar.

120-3.4.4 Pipe Trench Excavation: Excavate trenches for pipe culverts and storm sewers to the elevation of the bottom of the pipe and to a width sufficient to provide adequate working room. Remove soil not meeting the classification specified as suitable backfill material in 120-8.3.2.2 to a depth of 4 inches below the bottom of the pipe elevation. Remove rock, boulders or other hard lumpy or unyielding material to a depth of 12 inches below the bottom of the pipe elevation. Remove muck or other soft material to a depth necessary to establish a firm foundation. Where the soils permit, ensure that the trench sides are vertical up to at least the mid-point of the pipe.

For pipe lines placed above the natural ground line, place and compact the embankment, prior to excavation of the trench, to an elevation at least 2 feet above the top of the pipe and to a width equal to four pipe diameters, and then excavate the trench to the required grade.

#### *120-4 Disposal of Surplus and Unsuitable Material.*

120-4.1 Ownership of Excavated Materials: Dispose of surplus and excavated materials as shown in the plans or, if the plans do not indicate the method of disposal, take ownership of the materials and dispose of them outside the right-of-way.

120-4.2 Disposal of Muck on Side Slopes: As an exception to the provisions of 120-4.1, when approved by the Engineer, muck (A-8 material) may be placed on the slopes, or stored alongside the roadway, provided there is a clear distance of at least 6 feet between the roadway grading limits and the muck, and the muck is dressed to present a neat appearance. In addition, this material may also be disposed of by placing it on the slopes where, in the opinion of the Engineer, this will result in an aesthetically pleasing appearance and will have no detrimental effect on the adjacent developments. Where the Engineer permits the disposal of muck or other unsuitable material inside the right-of-way limits, do not place such material in a manner which will impede the inflow or outfall of any channel or of side ditches. The Engineer will determine the limits adjacent to channels within which such materials may be disposed.

120-4.3 Disposal of Paving Materials: Unless otherwise noted, take ownership of paving materials, such as paving brick, asphalt block, concrete slab, sidewalk, curb and gutter, etc., excavated in the removal of existing pavements, and dispose of them outside the right-of-way. If the materials are to remain the property of the Agency, place them in neat piles as directed. Existing limerock base that is removed may be incorporated in the stabilized portion of the subgrade. If the construction sequence will allow, incorporate all existing limerock base into the project as allowed by the Contract Documents.

120-4.4 Disposal Areas: Where the Contract Documents require disposal of excavated materials outside the right-of-way, and the disposal area is not

indicated in the Contract Documents, furnish the disposal area without additional compensation.

Provide areas for disposal of removed paving materials out of sight of the project and at least 300 feet from the nearest roadway right-of-way line of any road. If the materials are buried, disregard the 300 foot limitation.

#### *120-5 Materials for Embankment.*

120-5.1 General Requirements for Embankment Materials: Construct embankments using suitable materials excavated from the roadway or delivered to the jobsite from authorized borrow pits.

Construct the embankment using maximum particle sizes as follows:

In top 12 inches: 3 1/2 inches (in any dimension).

12 to 24 inches: 6 inches (in any dimension).

In the depth below 24 inches: not to exceed 12 inches (in any dimension) or the compacted thickness of the layer being placed, whichever is less.

Spread all material so that the larger particles are separated from each other to minimize voids between them during compaction. Compact around these rocks in accordance with 120-7.2.

When and where approved by the Engineer, larger rocks (not to exceed 18 inches in any dimension) may be placed outside the one to two slope and at least 4 feet or more below the bottom of the base. Compact around these rocks to a firmness equal to that of the supporting soil. Where constructing embankments adjacent to bridge end bents or abutments, do not place rock larger than 3 1/2 inches in diameter within 3 feet of the location of any end-bent piling.

120-5.2 Use of Materials Excavated From the Roadway and Appurtenances: Assume responsibility for determining the suitability of excavated material for use on the project in accordance with the applicable Contract Documents. Consider the sequence of work and maintenance of traffic phasing in the determination of the availability of this material.

120-5.3 Authorization for Use of Borrow: Use borrow only when sufficient quantities of suitable material are not available from roadway and drainage excavation, to properly construct the embankment, subgrade, and shoulders, and to complete the backfilling of structures and pipe. Do not use borrow material until so ordered by the Engineer, and then only use material from approved borrow pits.

120-5.3.1 Haul Routes for Borrow Pits: Provide and maintain, at no expense to the Agency, all necessary roads for hauling the borrow material. Where borrow area haul roads or trails are used by others, do not cause such roads or trails to deteriorate in condition.

Arrange for the use of all non-public haul routes crossing the property of any railroad. Incur any expense for the use of such haul routes. Establish haul routes which will direct construction vehicles away from developed areas when feasible, and keep noise from hauling operations to a minimum. Advise the Engineer in writing of all proposed haul routes.

120-5.3.2 Borrow Material for Shoulder Build-up: When so indicated in the plans, furnish borrow material with a specific minimum bearing value, for building up of existing shoulders. Blend materials as necessary to achieve this specified minimum bearing value prior to placing the materials on the shoulders. Take samples of this borrow material at the pit or blended stockpile.

120-5.4 Materials Used at Pipes, Culverts, etc.: Construct embankments over and around pipes, culverts, and bridge foundations with selected materials.

#### *120-6 Embankment Construction.*

120-6.1 General: Construct embankments in sections of not less than 300 feet in length or for the full length of the embankment.

120-6.2 Dry Fill Method:

120-6.2.1 General: Construct embankments to meet compaction requirements in 120-7 and in accordance with the acceptance program requirements in 120-9. Restrict the compacted thickness of the last embankment lift to 6 inches maximum.

As far as practicable, distribute traffic over the work during the construction of embankments so as to cover the maximum area of the surface of each layer.

Construct embankment in the dry whenever normal dewatering equipment and methods can accomplish the needed dewatering.

120-6.2.1.1 For A-3 and A-2-4 Materials with up to 15% fines: Construct the embankment in successive layers with lifts up to a maximum compacted thickness of 12 inches. Ensure the percentage of fines passing the No. 200 US Standard sieve in the A-2-4 material does not exceed 15%.

120-6.2.1.2 For A-1 Plastic materials (As designated in FDOT Design Standard Index 505) and A-2-4 Materials with greater than 15% fines: Construct the embankment in successive layers with lifts up to a maximum compacted thickness of 6 inches.

120-6.2.1.3 Equipment and Methods: Provide normal dewatering equipment including, but not limited to, surface pumps, sump pumps and trenching/digging machinery. Provide normal dewatering methods including, but not limited to, constructing shallow surface drainage trenches/ditches, using sand blankets, sumps and siphons.

When normal dewatering does not adequately remove the water, the Engineer may require the embankment material to be placed in the water or in low swampy ground in accordance with 120-7.2.4.

120-6.2.2 Placing in Unstable Areas: Where depositing the material in water, or in low swampy ground that will not support the weight of hauling equipment, construct the embankment by dumping successive loads in a uniformly distributed layer of a thickness not greater than necessary to support the hauling equipment while placing subsequent layers. Once sufficient material has been placed so that the hauling equipment can be supported, construct the remaining portion of the embankment in layers in accordance with the applicable provisions of 120-7.2.4 and 120-7.2.6.

120-6.2.3 Placing on Steep Slopes: When constructing an embankment on a hillside sloping more than 20 degrees from the horizontal, before starting the

fill, deeply plow or cut into steps the surface of the original ground on which the embankment is to be placed.

120-6.2.4 Placing Outside Standard Minimum Slope: Where material that is unsuitable for normal embankment construction is to be used in the embankment outside the standard minimum slope (approximately one to two), place such material in layers of not more than 18 inches in thickness, measured loose. The Contractor may also place material which is suitable for normal embankment, outside such standard minimum slope, in 18 inch layers. Maintain a constant thickness for suitable material placed within and outside the standard minimum slope, unless placing in a separate operation.

120-6.3 Hydraulic Method:

120-6.3.1 Method of Placing: When the hydraulic method is used, as far as practicable, place all dredged material in its final position in the embankment by such method. Place and compact any dredged material that is re-handled, or moved and placed in its final position by any other method, as specified in 120-7.2. The Contractor may use baffles or any form of construction he may select, provided the slopes of the embankments are not steeper than indicated in the plans. Remove all timber used for temporary bulkheads or baffles from the embankment, and fill and thoroughly compact the holes thus formed. When placing fill on submerged land, construct dikes prior to beginning of dredging, and maintain the dikes throughout the dredging operation.

120-6.3.2 Excess Material: Do not use excess material placed outside the prescribed slopes, below the normal high-water level, to raise the fill. Remove only the portion of this material required for dressing the slopes.

120-6.3.3 Protection of Openings in Embankment: Leave openings in the embankments at the bridge sites. Remove any material which invades these openings or existing channels without additional compensation to provide the same depth of channel as existed before the construction of the embankment. Do not excavate or dredge any material within 200 feet of the toe of the proposed embankment.

### *120-7 Compaction Requirements.*

120-7.1 Moisture Content: Compact the materials at a moisture content such that the specified density can be attained. If necessary to attain the specified density, add water to the material, or lower the moisture content by manipulating the material or allowing it to dry, as is appropriate.

120-7.2 Compaction of Embankments:

120-7.2.1 Earthwork Category 1 and 2 Density Requirements: The Engineer will accept a minimum density of 95% of the maximum density as determined by AASHTO T-99 Method C for all earthwork items requiring densities.

120-7.2.2 Earthwork Category 3 Density Requirements: The Engineer will accept a minimum of 100% of the maximum density as determined by AASHTO T-99 Method C for all densities required under category 3.

Except for embankments constructed by the hydraulic method as specified in 120-6.3, and for the material placed outside the standard minimum slope as specified in 120-6.2.4, and for other areas specifically excluded herein, compact each layer of the material used in the formation of embankments to the required

density stated above. Uniformly compact each layer using equipment that will achieve the required density, and as compaction operations progress, shape and manipulate each layer as necessary to ensure uniform density throughout the embankment.

120-7.2.3 Compaction Over Unstable Foundations: Where the embankment material is deposited in water or on low swampy ground, and in a layer thicker than 12 inches (as provided in 120-6.2.2), compact the top 6 inches (compacted thickness) of such layer to the density as specified in 120-9.5.

120-7.2.4 Compaction Where Plastic Material Has Been Removed: Where unsuitable material is removed and the remaining surface is of the A-4, A-5, A-6, or A-7 Soil Groups, as determined by the Engineer, compact the surface of the excavated area by rolling with a sheepsfoot roller exerting a compression of at least 250 psi on the tamper feet, for the full width of the roadbed (subgrade and shoulders). Perform rolling before beginning any backfill, and continue until the roller feet do not penetrate the surface more than 1 inch. Do not perform such rolling where the remaining surface is below the normal water table and covered with water. Vary the procedure and equipment required for this operation at the discretion of the Engineer.

120-7.2.5 Compaction of Material To Be Used In Base, Pavement, or Stabilized Areas: Do not compact embankment material which will be incorporated into a pavement, base course, or stabilized subgrade, to be constructed as a part of the same Contract.

120-7.2.6 Compaction of Grassed Shoulder Areas: For the upper 6 inch layer of all shoulders which are to be grassed, since no specific density is required, compact only to the extent directed.

120-7.2.7 Compaction of Grassed Embankment Areas: For the outer layer of all embankments where plant growth will be established, do not compact. Leave this layer in a loose condition to a minimum depth of 6 inches for the subsequent seeding or planting operations.

120-7.3 Compaction of Subgrade: If the plans do not provide for stabilizing, compact the subgrade in both cuts and fills to the density specified in 120-9.5. For undisturbed soils, do not apply density requirements where constructing narrow widening strips or paved shoulders 5 feet or less in width.

Where trenches for widening strips are not of sufficient width to permit the use of standard compaction equipment, perform compaction using vibratory rollers, trench rollers, or other type compaction equipment approved by the Engineer.

Maintain the required density until the base or pavement is placed on the subgrade.

### *120-8 Backfilling Around Structures and Pipe.*

120-8.1 Requirements for all Structures:

120-8.1.1 General: Backfill around structures and pipe in the dry whenever normal dewatering equipment and methods can accomplish the needed dewatering.

120-8.1.2 Equipment and Methods: Provide normal dewatering equipment including, but not limited to, surface pumps, sump pumps, wellpoints

and header pipe and trenching/digging machinery. Provide normal dewatering methods including, but not limited to, constructing shallow surface drainage trenches/ditches, using sand blankets, perforated pipe drains, sumps and siphons.

120-8.1.3 Backfill Materials: Backfill to the original ground surface or subgrade surface of openings made for structures, with a sufficient allowance for settlement. The Engineer may require that the material used for this backfill be obtained from a source entirely apart from the structure.

Do not allow heavy construction equipment to cross over culvert or storm sewer pipes until placing and compacting backfill material to the finished earthwork grade or to an elevation at least 4 feet above the crown of the pipe.

120-8.1.4 Use of A-7 Material: In the backfilling of trenches, A-7 material may be used from a point 12 inches above the top of the pipe up to the elevation shown on the FDOT Design Standards as the elevation for undercutting of A-7 material.

120-8.1.5 Time of Placing Backfill: Do not place backfill against any masonry or concrete abutment, wingwall, or culvert until the Engineer has given permission to do so, and in no case until the masonry or concrete has been in place seven days or until the specified 28-day compressive strength occurs.

120-8.1.6 Placement and Compaction: When the backfill material is deposited in water, compact per 120-8.2.5 and 120-8.3.4. Place the material in horizontal layers not exceeding 6 inches compacted thickness, in depth above water level, behind abutments, wingwalls and end bents or end rest piers, and around box culverts and all structures including pipe culverts. The Engineer may approve placing material in thicker lifts of no more than 12 inches compacted thickness above the soil envelope if a test section demonstrates the required density can be achieved. Approval will be based on five passing density tests over the test section consisting of a lift of backfill from structure to structure. The Engineer will identify the test section with the compaction effort and soil classification in the Agency Logbook. In case of a change in compaction effort or soil classification, construct a new test section. The Engineer reserves the right to terminate the Contractor's use of thick lift construction and have him revert to the 6 inch compacted lifts whenever it is determined that satisfactory results are not being obtained.

120-8.2 Additional Requirements for Structures Other than Pipe:

120-8.2.1 Density: Where the backfill material is deposited in water, obtain a 12 inch layer of comparatively dry material, thoroughly compacted by tamping, before the Engineer verifies layer and density requirements. Meet the requirements of the density Acceptance Criteria.

120-8.2.2 Box Culverts: For box culverts over which pavement is to be constructed, compact around the structure to an elevation not less than 12 inches above the top of the structure, using rapid-striking mechanical tampers.

120-8.2.3 Other Limited Areas: Compact in other limited areas using mechanical tampers or approved hand tampers, until the cover over the structure

is at least 12 inches thick. When hand tampers are used, deposit the materials in layers not more than 4 inches thick using hand tampers suitable for this purpose with a face area of not more than 100 in<sup>2</sup>. Take special precautions to prevent any wedging action against the masonry, and step or terrace the slope bounding the excavation for abutments and wingwalls if required by the Engineer.

120-8.2.4 Culverts and Piers: Backfill around culverts and piers on both sides simultaneously to approximately the same elevation.

120-8.2.5 Compaction Under Wet Conditions: Where wet conditions do not permit the use of mechanical tampers, compact using hand tampers. Use only A-3 material for the hand tamped portions of the backfill. When the backfill has reached an elevation and condition such as to make the use of the mechanical tampers practical, perform mechanical tamping in such manner and to such extent as to transfer the compaction force into the sections previously tamped by hand.

120-8.3 Additional Requirements for Pipe 15 Inches Inside Diameter or Greater:

120-8.3.1 General: Trenches for pipe may have up to four zones that must be backfilled.

**Lowest Zone:** The lowest zone is backfilled for deep undercuts up to within 4 inches of the bottom of the pipe.

**Bedding Zone:** The zone above the Lowest Zone is the Bedding Zone. Usually it will be the backfill which is the 4 inches of soil below the bottom of the pipe. When rock or other hard material has been removed to place the pipe, the Bedding Zone will be the 12 inches of soil below the bottom of the pipe.

**Cover Zone:** The next zone is backfill that is placed after the pipe has been laid and will be called the Cover Zone. This zone extends to 12 inches above the top of the pipe. The Cover Zone and the Bedding Zone are considered the Soil Envelope for the pipe.

**Top Zone:** The Top Zone extends from 12 inches above the top of the pipe to the base or final grade.

120-8.3.2 Material:

120-8.3.2.1 **Lowest Zone:** Backfill areas undercut below the Bedding Zone of a pipe with coarse sand, or other suitable granular material, obtained from the grading operations on the project, or a commercial material if no suitable material is available.

120-8.3.2.2 **Soil Envelope:** In both the Bedding Zone and the Cover Zone of the pipe, backfill with materials classified as A-1, A-2, or A-3. Material classified as A-4 may be used if the pipe is concrete pipe.

120-8.3.2.3 **Top Zone:** Backfill the area of the trench above the soil envelope of the pipe with materials allowed on Design Standard, Index No. 505.

120-8.3.3 Compaction:

120-8.3.3.1 **Lowest Zone:** Compact the soil in the Lowest Zone to approximately match the density of the soil in which the trench was cut.

120-8.3.3.2 Bedding Zone: If the trench was not undercut below the bottom of the pipe, loosen the soil in the bottom of the trench immediately below the approximate middle third of the outside diameter of the pipe.

If the trench was undercut, place the bedding material and leave it in a loose condition below the middle third of the outside diameter of the pipe. Compact the outer portions to meet the density requirements of the Acceptance Criteria. Place the material in lifts no greater than 6 inches (compacted thickness).

120-8.3.3.3 Cover Zone: Place the material in 6 inches layers (compacted thickness), evenly deposited on both sides of the pipe, and compact with mechanical tampers suitable for this purpose. Hand tamp material below the pipe haunch that cannot be reached by mechanical tampers. Meet the requirements of the density Acceptance Criteria.

120-8.3.3.4 Top Zone: Place the material in layers not to exceed 12 inches in compacted thickness. Meet the requirements of the density Acceptance Criteria.

120-8.3.4 Backfill Under Wet Conditions: Where wet conditions are such that dewatering by normal pumping methods would not be effective, the procedure outlined below may be used when specifically authorized by the Engineer in writing.

Granular material may be used below the elevation at which mechanical tampers would be effective, but only material classified as A-3. Place and compact the material using timbers or hand tampers until the backfill reaches an elevation such that its moisture content will permit the use of mechanical tampers. When the backfill has reached such elevation, use normally acceptable backfill material. Compact the material using mechanical tampers in such manner and to such extent as to transfer the compacting force into the material previously tamped by hand.

#### *120-9 Acceptance Program.*

120-9.1 Density over 105%: When a computed dry density results in a value greater than 105% of the applicable Proctor maximum dry density, the Engineer will perform a second density test within 5 feet. If the second density results in a value greater than 105%, investigate the compaction methods, examine the applicable Maximum Density and material description. If necessary, the Engineer will test an additional sample for acceptance in accordance with AASHTO T 99, Method C.

120-9.2 Maximum Density Determination: The Engineer will determine the maximum density and optimum moisture content by sampling and testing the material in accordance with the specified test method listed in 120-9.3.

120-9.3 Density Testing Requirements: Compliance with the requirements of 120-9.5 will be determined in accordance FM 1-T 238. The in-place moisture content will be determined for each density in accordance with FM 5-507 (Determination of Moisture Content by Means of a Calcium Carbide Gas Pressure Moisture Tester), or ASTM D 4643 (Laboratory Determination of Moisture Content of Granular Soils By Use of a Microwave Oven).

120-9.4 Soil Classification: The Engineer will perform soil classification tests in accordance with AASHTO T-88, and classify soils in accordance with AASHTO M-145 (Standard Specification for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes) in order to determine compliance with embankment utilization requirements.

120-9.5 Acceptance Criteria: The Engineer will accept a minimum density in accordance with 120-7.2 with the following exceptions:

- 1) embankment constructed by the hydraulic method as specified in 120-6.3;
- 2) material placed outside the standard minimum slope as specified in 120-6.2.4;
- 3) other areas specifically excluded herein.

120-9.6 Frequency: The Engineer will conduct sampling and testing at a minimum frequency listed in the table below.

Test Name	Frequency
Maximum Density	One per soil type
Density	1 per 500' RDWY (Alt Lift)
Soil Classification	One per Maximum Density

#### 120-10 Maintenance and Protection of Work.

While construction is in progress, maintain adequate drainage for the roadbed at all times. Maintain a shoulder at least 3 feet wide adjacent to all pavement or base construction in order to provide support for the edges.

Maintain and protect all earthwork construction throughout the life of the Contract, and take all reasonable precautions to prevent loss of material from the roadway due to the action of wind or water. Repair any slides, washouts, settlement, subsidence, or other mishap which may occur prior to final acceptance of the work. Maintain all channels excavated as a part of the Contract work against natural shoaling or other encroachments to the lines, grades, and cross-sections shown in the plans, until final acceptance of the project.

#### 120-11 Construction.

120-11.1 Construction Tolerances: Shape the surface of the earthwork to conform to the lines, grades, and cross-sections shown in the plans. In final shaping of the surface of earthwork, maintain a tolerance of 0.3 foot above or below the plan cross-section with the following exceptions:

1. Shape the surface of shoulders to within 0.1 foot of the plan cross-section.
2. Shape the earthwork to match adjacent pavement, curb, sidewalk, structures, etc.
3. Shape the bottom of ditches so that the ditch impounds no water.
4. When the work does not include construction of base or pavement, shape the entire roadbed (shoulder point to shoulder point) to within 0.1 foot above or below the plan cross-section.

Ensure that the shoulder lines do not vary horizontally more than 0.3 foot from the true lines shown in the plans.

120-11.2 Operations Adjacent to Pavement: Carefully dress areas adjacent to pavement areas to avoid damage to such pavement. Complete grassing of shoulder areas prior to placing the final wearing course. Do not manipulate any embankment material on a pavement surface.

When shoulder dressing is underway adjacent to a pavement lane being used to maintain traffic, exercise extreme care to avoid interference with the safe movement of traffic.

*120-12 Method of Measurement.*

120-12.1 Excavation: Excavation will be paid for by volume, in cubic yards, calculated by the method of average end areas, unless the Engineer determines that another method of calculation will provide a more accurate result. The material will be measured in its original position by field survey or by photogrammetric means as designated by the Engineer. Measurement for payment will include the excavation of unsuitable material, lateral ditch excavation, channel excavation, and excavation for structures and pipe. Payment will not be made for excavation or embankment beyond the limits shown in the plans or authorized by the Engineer.

120-12.2 Embankment: Measurement will be made on a loose volume basis, as measured in trucks or other hauling equipment at the point of dumping on the road. Payment will not be made for embankment beyond the limits shown in the plans or authorized by the Engineer.

*120-13 Basis of Payment.*

120-13.1 General: Prices and payments for the work items included in this Section will be full compensation for all work described herein, including excavating, dredging, hauling, placing, and compacting; dressing the surface of the earthwork; and maintaining and protecting the complete earthwork.

120-13.2 Excavation: The total quantity of all excavation specified under this Section will be paid for at the Contract unit price for Excavation. No payment will be made for the excavation of any materials which are used for purposes other than those shown in the plans or designated by the Engineer. No payment will be made for materials excavated outside the lines and grades given by the Engineer, unless specifically authorized by the Engineer.

120-13.3 Embankment: The total quantity of embankment specified in this Section will be paid for at the Contract unit price for embankment. No payment will be made for materials which are used for purposes other than those shown in the plans or designated by the Engineer. No payment will be made for materials placed outside the lines and grades given by the Engineer.

HOT MIX ASPHALT FOR LAP (OFF-SYSTEM).  
(REV 11-17-11) (FA 2-27-12)

SECTION 334  
HOT MIX ASPHALT FOR LAP (OFF-SYSTEM)

334-1 Description.

334-1.1 General: Construct a Hot Mix Asphalt (HMA) pavement based on the type of work specified in the Contract and the Asphalt Work Categories as defined below. Meet the applicable requirements for plants, equipment, and construction requirements as defined below. Use a HMA mix that meets the requirements of this specification

334-1.2 Asphalt Work Mix Categories: Construction of Hot Mix Asphalt Pavement will fall into one of the following work categories:

334-1.2.1 Asphalt Work Category 1: Includes the construction of bike paths and miscellaneous asphalt.

334-1.2.2 Asphalt Work Category 2: Includes the construction of new HMA turn lanes, paved shoulders and other non-mainline pavement locations.

334-1.2.3 Asphalt Work Category 3: Includes the construction of new mainline HMA pavement lanes, milling and resurfacing.

334-1.3 Mix Types: Use the appropriate HMA mix as shown in Table 334-1.

Asphalt Work Category	Mix Types	Traffic Level	ESALs (millions)
1	Type SP-9.5 <sup>(1)</sup>	A	<0.3
2	Structural Mixes: Types SP-9.5 or SP-12.5 <sup>(1)</sup> Friction Mixes: Types FC-9.5 or FC-12.5 <sup>(1)</sup>	B	0.3 to <3
3	Structural Mixes: Types SP-9.5 or SP-12.5 Friction Mixes: Types FC-9.5 or FC-12.5	C	≥3

(1) Equivalent mixes may be approved as determined by the Engineer. For example, Marshall S-III mixture type is equivalent to Superpave SP-9.5, Marshall S-I is equivalent to Superpave SP-12.5, and Marshall FC-3 is equivalent to Superpave FC-9.5.

A Type SP or FC mix one traffic level higher than the traffic level specified in the Contract may be substituted, at no additional cost (i.e. Traffic Level B may be substituted for Traffic Level A, etc.). Traffic levels are as defined in Section 334 of the Department's Standard Specifications for Road and Bridge Construction.

334-1.4 Gradation Classification: HMA mixes are classified as either coarse or fine, depending on the overall gradation of the mixture. Coarse and fine mixes are defined in 334-3.2.2. Use only fine mixes.

The equivalent AASHTO nominal maximum aggregate size Superpave mixes are as follows:

Type SP-9.5, FC-9.5.....	9.5 mm
Type SP-12.5, FC-12.5.....	12.5 mm

334-1.5 Thickness: The total pavement thickness of the HMA pavement will be based on a specified spread rate or plan thickness as shown in the Contract Documents. Before paving, propose a spread rate or thickness for each individual layer meeting the requirements of this specification, which when combined with other layers (as applicable) will equal the plan spread rate or thickness. When the total pavement thickness is specified as plan thickness, the plan thickness and individual layer thickness will be converted to spread rate using the following equation:

$$\text{Spread rate (lbs/yd}^2\text{)} = t \times G_{mm} \times 43.3$$

where:  $t$  = Thickness (in.) (Plan thickness or individual layer thickness)  
 $G_{mm}$  = Maximum specific gravity from the mix design

For target purposes only, spread rate calculations shall be rounded to the nearest whole number.

334-1.5.1 Layer Thicknesses: Unless otherwise called for in the Contract Documents, the allowable layer thicknesses for HMA mixtures are as follows:

Type SP-9.5, FC-9.5.....	3/4 – 1-1/2 inches
Type SP-12.5, FC-12.5.....	1 1/2 – 2-1/2 inches

334-1.5.2 Additional Requirements: The following requirements also apply to HMA mixtures:

1. When construction includes the paving of adjacent shoulders (less than or equal to 5 feet wide), the layer thickness for the upper pavement layer and shoulder shall be the same and paved in a single pass, unless otherwise called for in the Contract Documents.

2. For overbuild layers, use the minimum and maximum layer thicknesses as specified above unless called for differently in the Contract Documents. On variable thickness overbuild layers, the minimum allowable thickness may be reduced by 1/2 inch, and the maximum allowable thickness may be increased by 1/2 inch, unless called for differently in the Contract Documents.

334-1.6 Weight of Mixture: The weight of the mixture shall be determined as provided in 320-3.2 of the Florida Department of Transportation (FDOT) specifications.

*334-2 Materials.*

334-2.1 Superpave Asphalt Binder: Unless specified elsewhere in the Contract or in 334-2.3.3, use a PG 67-22 asphalt binder from the FDOT's Qualified Products List (QPL). If the Contract calls for an alternative binder, meet the requirements of FDOT Specifications Section 336 or 916, as appropriate.

334-2.2 Aggregate: Use aggregate capable of producing a quality pavement.

For Type FC mixes, use an aggregate blend that consists of crushed granite, crushed Oolitic limestone, other crushed materials (as approved by FDOT for friction courses per Rule 14-103.005, Florida Administrative Code), or a combination of the above. Crushed limestone from the Oolitic formation may be used if it contains a minimum of 12% silica material as determined by FDOT Test Method FM 5-510 and FDOT grants approval of the source prior to its use. As an exception, mixes that contain a minimum of 60% crushed granite may either contain:

1. Up to 40% fine aggregate from other sources; or,
2. A combination of up to 20% RAP and the remaining fine

aggregate from other sources.

A list of aggregates approved for use in friction courses may be available on the FDOT's State Materials Office website. The URL for obtaining this information, <ftp://ftp.dot.state.fl.us/fdot/smo/website/sources/frictioncourse.pdf>, is:

334-2.3 Reclaimed Asphalt Pavement (RAP) Material:

334-2.3.1 General requirements: RAP may be used as a component of the asphalt mixture, if approved by the Engineer. Usage of RAP is subject to the following requirements:

1. Limit the amount of RAP material used in the mix to a maximum of 50% by weight of total aggregate.
2. Provide stockpiled RAP material that is reasonably consistent in characteristics and contains no aggregate particles which are soft or conglomerates of fines.

3. Provide RAP material having a minimum average asphalt content of 4.0% by weight of total mix. The Engineer may sample the stockpile to verify that this requirement is met.

4. Use a grizzly or grid over the RAP cold bin, in-line roller crusher, screen, or other suitable means to prevent oversized RAP material from showing up in the completed recycle mixture. If oversized RAP material appears in the completed recycle mix, take the appropriate corrective action immediately. If the appropriate corrective actions are not immediately taken, stop plant operations.

334-2.3.2 Material Characterization: Assume responsibility for establishing the asphalt binder content, gradation, viscosity and bulk specific gravity ( $G_{sb}$ ) of the RAP material based on a representative sampling of the material.

334-2.3.3 Asphalt Binder for Mixes with RAP: Select the appropriate asphalt binder grade based on Table 334-2. Maintain the viscosity of the recycled mixture within the range of 5,000 to 15,000 poises.

Table 334-2 Asphalt Binder Grade for Mixes Containing RAP	
Percent RAP	Asphalt Binder Grade
< 20	PG 67-22
20 - 29	PG 64-22

Table 334-2 Asphalt Binder Grade for Mixes Containing RAP	
Percent RAP	Asphalt Binder Grade Recycling Agent
≥ 30	

**334-3 Composition of Mixture.**

334-3.1 General: Compose the asphalt mixture using a combination of aggregates, mineral filler, if required, and asphalt binder material. Size, grade and combine the aggregate fractions to meet the grading and physical properties of the mix design. Aggregates from various sources may be combined.

334-3.2 Mix Design:

334-3.2.1 General: Design the asphalt mixture in accordance with AASHTO R 35-09, except as noted herein. Submit the proposed mix design with supporting test data indicating compliance with all mix design criteria to the Engineer. Prior to the production of any asphalt mixture, obtain the Engineer's conditional approval of the mix design. If required by the Engineer, send representative samples of all component materials, including asphalt binder to a laboratory designated by the Engineer for verification. As an exception to these requirements, use a currently approved FDOT Mix Design.

The Engineer will consider any marked variations from original test data for a mix design or any evidence of inadequate field performance of a mix design as sufficient evidence that the properties of the mix design have changed, and at his discretion, the Engineer may no longer allow the use of the mix design.

334-3.2.2 Mixture Gradation Requirements: Combine the aggregates in proportions that will produce an asphalt mixture meeting all of the requirements defined in this specification and conform to the gradation requirements at design as defined in AASHTO M 323-07, Table 3. Aggregates from various sources may be combined.

334-3.2.2.1 Mixture Gradation Classification: Plot the combined mixture gradation on an FHWA 0.45 Power Gradation Chart. Include the Control Points from AASHTO M323-07, Table-3, as well as the Primary Control Sieve (PCS) Control Point from AASHTO M323-07, Table 4. Fine mixes are defined as having a gradation that passes above or through the primary control sieve control point. Use only fine mixes.

334-3.2.3 Gyratory Compaction: Compact the design mixture in accordance with AASHTO T312-09. Use the number of gyrations as defined in AASHTO R35-09, Table 1.

334-3.2.4 Design Criteria: Meet the requirements for nominal maximum aggregate size as defined in AASHTO M323-07, as well as for relative density, VMA, VFA, and dust-to-binder ratio as specified in AASHTO M323-07, Table 6.

334-3.2.5 Moisture Susceptibility: Test 4 inch specimens in accordance with FM 1-T 283. Provide a mixture having a retained tensile strength ratio of at least 0.80 and a minimum tensile strength (unconditioned) of 100 psi. If

necessary, add a liquid anti-stripping agent from the FDOT's Qualified Products List or hydrated lime in order to meet these criteria.

In lieu of moisture susceptibility testing, add a liquid anti-stripping agent from the FDOT's Qualified Products List. Add 0.5% liquid anti-stripping agent by weight of binder.

334-3.2.6 Additional Information: In addition to the requirements listed above, provide the following information on each mix design:

1. The design traffic level and the design number of gyrations ( $N_{\text{design}}$ ).
2. The source and description of the materials to be used.
3. The FDOT source number and the FDOT product code of the aggregate components furnished from an FDOT approved source (if required).
4. The gradation and proportions of the raw materials as intended to be combined in the paving mixture. The gradation of the component materials shall be representative of the material at the time of use. Compensate for any change in aggregate gradation caused by handling and processing as necessary.
5. A single percentage of the combined mineral aggregate passing each specified sieve. Degradation of the aggregate due to processing (particularly material passing the No. 200 sieve) should be accounted for and identified.
6. The bulk specific gravity ( $G_{\text{sb}}$ ) value for each individual aggregate and RAP component.
7. A single percentage of asphalt binder by weight of total mix intended to be incorporated in the completed mixture, shown to the nearest 0.1%.
8. A target temperature at which the mixture is to be discharged from the plant and a target roadway temperature. Do not exceed a target temperature of 330°F for modified asphalts and 315°F for unmodified asphalts.
9. Provide the physical properties achieved at four different asphalt binder contents. One shall be at the optimum asphalt content, and must conform to all specified physical requirements.
10. The name of the mix designer.
11. The ignition oven calibration factor.

#### *334-4 Process Control.*

Assume full responsibility for controlling all operations and processes such that the requirements of these Specifications are met at all times. Perform any tests necessary at the plant and roadway to control the process.

#### *334-5 General Construction Requirements.*

334-5.1 Weather Limitations: Do not transport asphalt mix from the plant to the roadway unless all weather conditions are suitable for the laying operations.

334-5.2 Limitations of Laying Operations:

334-5.2.1 General: Spread the mixture only when the surface upon which it is to be placed has been previously prepared, is intact, firm, and properly cured, and is dry.

334-5.2.2 Air Temperature: Spread the mixture only when the air temperature in the shade and away from artificial heat is at least 40°F for layers greater than 1 inch (100 lb per square yard) in thickness and at least 45°F for layers 1 inch (100 lb per square yard) or less in thickness (this includes leveling courses). The minimum temperature requirement for leveling courses with a spread rate of 50 lb per square yard or less is 50°F.

334-5.3 Mix Temperature: Heat and combine the ingredients of the mix in such a manner as to produce a mixture with a temperature at the plant and at the roadway, within a range of plus or minus 30°F from the target temperature as shown on the mix design. Reject all loads outside of this range.

334-5.4 Transportation of the Mixture: Transport the mixture in vehicles previously cleaned of all foreign material. After cleaning, thinly coat the inside surface of the truck bodies with soapy water or an asphalt release agent as needed to prevent the mixture from adhering to the beds. Do not allow excess liquid to pond in the truck body. Do not use diesel fuel or any other hazardous or environmentally detrimental material as a coating for the inside surface of the truck body. Cover each load at all times.

334-5.5 Preparation of Surfaces Prior to Paving:

334-5.5.1 Cleaning: Clean the surface of all loose and deleterious material by the use of power brooms or blowers, supplemented by hand brooming where necessary.

334-5.5.2 Patching and Leveling Courses: As shown in the plans, bring the existing surface to proper grade and cross-section by the application of patching or leveling courses.

334-5.5.3 Application over Surface Treatment: Where an asphalt mix is to be placed over a surface treatment, sweep and dispose of all loose material from the paving area.

334-5.5.4 Tack Coat: Use a rate of application as defined in Table 334-3. Control the rate of application to be within plus or minus 0.01 gal. per square yard of the target application rate. The target application rate may be adjusted by the Engineer to meet specific field conditions. Determine the rate of application as needed to control the operation. When using RA-550, multiply the target rate of application by 0.6.

Asphalt Mixture Type	Underlying Pavement Surface	Target Tack Rate (gal/yd <sup>2</sup> )
Base Course, Structural Course, Dense Graded Friction Course	Newly Constructed Asphalt Layers	0.02 minimum
	Milled Surface or Oxidized and Cracked Pavement	0.06
	Concrete Pavement	0.08
Open Graded Friction Course	Newly Constructed Asphalt Layers	0.05
	Milled Surface	0.07

### 334-5.6 Paving:

334-5.6.1 Alignment of Edges: With the exception of pavements placed adjacent to curb and gutter or other true edges, place all pavements by the stringline method to obtain an accurate, uniform alignment of the pavement edge. Control the unsupported pavement edge to ensure that it will not deviate more than plus or minus 1.5 inches from the stringline.

334-5.6.2 Rain and Surface Conditions: Immediately cease transportation of asphalt mixtures from the plant when rain begins at the roadway. Do not place asphalt mixtures while rain is falling, or when there is water on the surface to be covered. Once the rain has stopped and water has been removed from the tacked surface to the satisfaction of the Engineer and the temperature of the mixture caught in transit still meets the requirements as specified in 334-5.3, the Contractor may then place the mixture caught in transit.

334-5.6.3 Checking Depth of Layer: Check the depth of each layer at frequent intervals to ensure a uniform spread rate that will meet the requirements of the Contract.

334-5.6.4 Hand Spreading: In limited areas where the use of the spreader is impossible or impracticable, spread and finish the mixture by hand.

334-5.6.5 Spreading and Finishing: Upon arrival, dump the mixture in the approved paver, and immediately spread and strike-off the mixture to the full width required, and to such loose depth for each course that, when the work is completed, the required weight of mixture per square yard, or the specified thickness, is secured. Carry a uniform amount of mixture ahead of the screed at all times.

334-5.6.6 Thickness Control: Ensure the spread rate is within 10% of the target spread rate, as indicated in the Contract. When calculating the spread rate, use, at a minimum, an average of five truckloads of mix. When the average spread rate is beyond plus or minus 10% of the target spread rate, monitor the thickness of the pavement layer closely and adjust the construction operations.

If the Contractor fails to maintain an average spread rate within plus or minus 10% of the target spread rate for two consecutive days, the Engineer may elect to stop the construction operation at any time until the issue is resolved.

When the average spread rate for the total structural or friction course pavement thickness exceeds the target spread rate by  $\pm 50$  lbs per sy for layers  $\geq 2.5$  inches or exceeds the target spread rate by  $\pm 25$  lbs per sy for layers  $< 2.5$  inches, address the unacceptable pavement in accordance with 334-5.10.4, unless an alternative approach is agreed upon by the Engineer.

### 334-5.7 Leveling Courses:

334-5.7.1 Patching Depressions: Before spreading any leveling course, fill all depressions in the existing surface as shown in the plans.

334-5.7.2 Spreading Leveling Courses: Place all courses of leveling with an asphalt paver or by the use of two motor graders, one being equipped with a spreader box. Other types of leveling devices may be used upon approval by the Engineer.

334-5.7.3 Rate of Application: When using Type SP-9.5 (fine graded) for leveling, do not allow the average spread of a layer to be less than 50 pounds per square yard or more than 75 pounds per square yard. The quantity of mix for leveling shown in the plans represents the average for the entire project; however, the Contractor may vary the rate of application throughout the project as directed by the Engineer. When leveling in connection with base widening, the Engineer may require placing all the leveling mix prior to the widening operation.

334-5.8 Compaction: For each paving or leveling train in operation, furnish a separate set of rollers, with their operators.

When density testing for acceptance is required, select equipment, sequence, and coverage of rolling to meet the specified density requirement. Regardless of the rolling procedure used, complete the final rolling before the surface temperature of the pavement drops to the extent that effective compaction may not be achieved or the rollers begin to damage the pavement.

When density testing for acceptance is not required, use a rolling pattern approved by the Engineer.

Use hand tamps or other satisfactory means to compact areas which are inaccessible to a roller, such as areas adjacent to curbs, headers, gutters, bridges, manholes, etc.

334-5.9 Joints.

334-5.9.1 Transverse Joints: Construct smooth transverse joints, which are within 3/16 inch of a true longitudinal profile when measured with a 15 foot manual straightedge. These requirements are waived for transverse joints at the beginning and end of the project and at the beginning and end of bridge structures, if the deficiencies are caused by factors beyond the control of the Contractor such as no milling requirement, as determined by the Engineer. When smoothness requirements are waived, construct a reasonably smooth transitional joint.

334-5.9.2 Longitudinal Joints: For all layers of pavement except the leveling course, place each layer so that longitudinal construction joints are offset 6 to 12 inches laterally between successive layers. Do not construct longitudinal joints in the wheel paths. The Engineer may waive these requirements where offsetting is not feasible due to the sequence of construction.

334-5.10 Surface Requirements: Construct a smooth pavement with good surface texture and the proper cross slope.

334-5.10.1 Texture of the Finished Surface of Paving Layers: Produce a finished surface of uniform texture and compaction with no pulled, torn, raveled, crushed or loosened portions and free of segregation, bleeding, flushing, sand streaks, sand spots, or ripples. Correct any area of the surface that does not meet the foregoing requirements in accordance with 334-5.10.4.

334-5.10.2 Cross Slope: Construct a pavement surface with cross slopes in compliance with the requirements of the Contract Documents.

334-5.10.3 Pavement Smoothness: Construct a smooth pavement meeting the requirements of this Specification. Furnish a 15 foot manual and a 15 foot rolling straightedge meeting the requirements of FM 5-509.

### 334-5.10.3.1 Straightedge Testing:

334-5.10.3.1.1 Acceptance Testing: Using a rolling straightedge, test the final (top) layer of the pavement where the width is constant using a rolling straightedge and document all deficiencies on a form approved by the Engineer. Notify the Engineer of the location and time of all straightedge testing a minimum of 48 hours before beginning testing.

334-5.10.3.1.2 Final (Top) Pavement Layer: At the completion of all paving operations, straightedge the final (top) layer either behind the final roller of the paving train or as a separate operation. Address all deficiencies in excess of 3/16 inch in accordance with 334-5.10.4, unless waived by the Engineer. Retest all corrected areas.

334-5.10.3.1.3 Straightedge Exceptions: Straightedge testing will not be required in the following areas: shoulders, intersections, tapers, crossovers, sidewalks, bicycle/shared use paths, parking lots and similar areas, or in the following areas when they are less than 250 feet in length: turn lanes, acceleration/deceleration lanes and side streets. In the event the Engineer identifies a surface irregularity in the above areas that is determined to be objectionable, straightedge and address all deficiencies in excess of 3/8 inch in accordance with 334-5.10.4.

334-5.10.4 Correcting Unacceptable Pavement: Correct deficiencies in the pavement layer by removing and replacing the full depth of the layer, extending a minimum of 50 feet on both sides of the defective area for the full width of the paving lane, at no additional cost.

### 334-6 Acceptance of the Mixture.

334-6.1 General: The asphalt mixture will be accepted based on the Asphalt Work Category as defined below:

1. Asphalt Work Category 1 – Certification by the Contractor as defined in 334-6.2.

2. Asphalt Work Category 2 – Certification and process control testing by the Contractor as defined in 334-6.3

3. Asphalt Work Category 3 – Process control testing by the Contractor and acceptance testing by the Engineer as defined in 334-6.4.

334-6.2 Certification by the Contractor: On Asphalt Work Category 1 construction, the Engineer will accept the mix on the basis of visual inspection. Submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications. The Engineer may run independent tests to determine the acceptability of the material.

334-6.3 Certification and Process Control Testing by the Contractor: On Asphalt Work Category 2 construction, submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications, along with supporting test data documenting all process control testing as described in 334-6.3.1. If required by the Contract, utilize an Independent Laboratory as approved by the Engineer for the process control testing. The mix

will also require visual acceptance by the Engineer. In addition, the Engineer may run independent tests to determine the acceptability of the material. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material. .

334-6.3.1 Process Control Sampling and Testing Requirements: Perform process control testing at a frequency of once per day. Obtain the samples in accordance with FDOT Method FM 1-T 168. Test the mixture at the plant for gradation ( $P_{.8}$  and  $P_{.200}$ ) and asphalt binder content ( $P_b$ ). Measure the roadway density with 6 inch diameter roadway cores at a minimum frequency of once per 1,500 feet of pavement with a minimum of three cores per day.

Determine the asphalt binder content of the mixture in accordance with FM 5-563. Determine the gradation of the recovered aggregate in accordance with FM 1-T 030. Determine the roadway density in accordance with FM 1-T 166. The minimum roadway density will be based on the percent of the maximum specific gravity (Gmm) from the approved mix design. If the Contractor or Engineer suspects that the mix design Gmm is no longer representative of the asphalt mixture being produced, then a new Gmm value will be determined from plant-produced mix with the approval of the Engineer. Roadway density testing will not be required in certain situations as described in 334-6.4.1. Assure that the asphalt binder content, gradation and density test results meet the criteria in Table 334-4.

Characteristic	Tolerance
Asphalt Binder Content (percent)	Target $\pm$ 0.55
Passing No. 8 Sieve (percent)	Target $\pm$ 6.00
Passing No. 200 Sieve (percent)	Target $\pm$ 2.00
Roadway Density (daily average)	Minimum 91.5% of Gmm
Roadway Density (any single core)	Minimum 88.0 % of Gmm

334-6.4 Process Control Testing by the Contractor and Acceptance Testing by the Engineer: On Asphalt Work Category 3, perform process control testing as described in 334-6.3.1. In addition, the Engineer will accept the mixture at the plant with respect to gradation ( $P_{.8}$  and  $P_{.200}$ ) and asphalt binder content ( $P_b$ ). The mixture will be accepted on the roadway with respect to density. The Engineer will sample and test the material as described in 334-6.3.1. The Engineer will randomly obtain at least one set of samples per day. Assure that the asphalt content, gradation and density test results meet the criteria in Table 334-4. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and

replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material.

334-6.4.1 Acceptance Testing Exceptions: When the total quantity of any mix type in the project is less than 500 tons, the Engineer will accept the mix on the basis of visual inspection. The Engineer may run independent tests to determine the acceptability of the material.

Density testing for acceptance will not be performed on widening strips or shoulders with a width of 5 feet or less, variable thickness overbuild courses, leveling courses, any asphalt layer placed on subgrade (regardless of type), miscellaneous asphalt pavement, bike/shared use paths, crossovers, or any course with a specified thickness less than 1 inch or a specified spread rate less than 100 lb per square yard. Density testing for acceptance will not be performed on asphalt courses placed on bridge decks or approach slabs. In addition, density testing for acceptance will not be performed on the following areas when they are less than 1,000 feet continuous in length: turning lanes, acceleration lanes, deceleration lanes, shoulders, parallel parking lanes, or ramps. Density testing for acceptance will not be performed in intersections. The limits of the intersection will be from stop bar to stop bar for both the mainline and side streets. Compact these courses in accordance with a standard rolling procedure approved by the Engineer. In the event that the rolling procedure deviates from the approved procedure, placement of the mix will be stopped.

#### *334-7 Method of Measurement.*

For the work specified under this Section, the quantity to be paid for will be the weight of the mixture, in tons.

The bid price for the asphalt mix will include the cost of the liquid asphalt or the asphalt recycling agent and the tack coat application as specified in 334-5.5.4. There will be no separate payment or unit price adjustment for the asphalt binder material in the asphalt mix.

#### *334-8 Basis of Payment.*

334-8.1 General: Price and payment will be full compensation for all the work specified under this Section.

CONCRETE FOR LAP (OFF-SYSTEM).  
(REV 12-20-11) (FA 2-27-12)

SECTION 344  
CONCRETE FOR LAP (OFF-SYSTEM)

*344-1 Description.*

344-1 General: Construct concrete based on the type of work as described in the Contract and the concrete work categories as defined below.

344-1.2 Work Categories: Construction will fall into one of the following concrete work categories:

344-1.2.1 Concrete Work Category 1: Includes the construction of sidewalks, curb and gutter, ditch and slope pavement, or other non-reinforced cast-in-place elements.

344-1.2.2 Concrete Work Category 2: Includes the construction of precast concrete including concrete barriers, traffic railing barriers, parapets, sound barriers, inlets, manholes, junction boxes, pipe culverts, storm sewers, box culverts, prestressed concrete poles, concrete bases for light poles, highway sign foundations, retaining wall systems, traffic separators or other structural precast elements.

344-1.2.3 Concrete Work Category 3: Includes the work associated with the placement and/or construction of structural cast-in-place concrete meeting the requirements of this section.

*344-2 Materials.*

344-2.1 General: Use concrete composed of a mixture of Portland cement, aggregates, and water, with or without chemical or mineral admixtures that meet the following requirements:

344-2.1.1 Portland Cement: Portland cements meeting the requirements of AASHTO M-85 or ASTM C-150 is required. Different brands of cement, cement of the same brand from different facilities or different types of cement shall be stored separately and shall not be mixed.

344-2.1.2 Coarse and Fine Aggregates: Aggregates shall meet ASTM C 33. Source approval by the FDOT is not required.

344-2.1.3 Water: Water shall meet the requirements of ASTM C 1602.

344-2.1.4 Chemical Admixtures: Chemical admixtures shall be listed on the FDOT Qualified Products List. Admixtures may be added at the dosage rates recommended by the manufacturer.

344-2.1.5 Pozzolans and Slag: Pozzolans and Slag shall meet the requirements of Table 344-1. Fly ash shall not include the residue resulting from the burning of municipal garbage or any other refuse with coal, or the burning of industrial or municipal garbage in incinerators.

Table 344-1		
Type or Class	Test Method	Exceptions
Class C Fly Ash	ASTM C 618	Not to be used with Types IP or IS cements.
Class F Fly Ash	ASTM C 618	Not to be used with Types IP or IS cements.

Petroleum Coke Class F	ASTM C 618	Not to be used with Types IP or IS cements.
Bark Ash Class F	ASTM C 618	Not to be used with Types IP or IS cements.
Silica Fume	ASTM C 1240	
Metakaolin	ASTM C 618	
Slag	ASTM C 989	Use only ground granulated blast-furnace slag grade 100 or 120.
Ultra Fine Fly Ash	ASTM C 618	Not to be used with Types IP or IS cements.

**344-3 Production, Mixing and Delivery of Concrete.**

**344-3.1 Concrete Production Requirements:**

**344-3.1.1 Category 1:** Use a concrete production facility that is certified by the National Ready Mixed Concrete Association (NRMCA) or listed on the FDOT list of non-structural concrete producers. Concrete production facilities listed on the FDOT Producers with Accepted QC Programs list for structural concrete may also be used for Category 1.

**344-3.1.2 Category 2:** Use a prestressed and or precast facility listed on the FDOT Producers with Accepted QC Programs for precast or prestressed concrete.

**344-3.1.3 Category 3:** Use a structural concrete facility listed on the FDOT Producers with Accepted QC Programs for structural concrete.

**344-3.2 Classes of Concrete:** Meet the requirements of Table 344-2.

Class	Minimum Strength (28 day) (psi)	Target Slump (inches)	Target Range (inches)	Air Content Range (%)	Minimum Total Cementitious Materials Content (lb/yd <sup>3</sup> )	Maximum Water to Cementitious Material Ratio (lb/lb)
<b>Category 1</b>						
Class NS	2,500	N/A	N/A	N/A	N/A	N/A
<b>Category 3</b>						
I	3,000	3	± 1.5	1.0 to 6.0	470	0.53
I (Pavement)	3,000	2	± 1.5	1.0 to 6.0	470	0.50
II	3,400	3	± 1.5	1.0 to 6.0	470	0.53
II (Bridge Deck)	4,500	3	± 1.5	1.0 to 6.0	611	0.44
III	5,000	3	± 1.5	1.0 to 6.0	611	0.44
III (Seal)	3,000	8	± 1.5	1.0 to 6.0	611	0.53
IV	5,500	3	± 1.5	1.0 to 6.0	658	0.41
IV (Drilled Shaft)	4,000	8.5	± 1.5	0.0 to 6.0	658	0.41
V (Special)	6,000	3	± 1.5	1.0 to 6.0	752	0.37
V	6,500	3	± 1.5	1.0 to 6.0	752	0.37
VI	8,500	3	± 1.5	1.0 to 6.0	752	0.37

344-3.3 Contractors Quality Control: For Categories 1 and 2, assume full responsibility for controlling all operations and processes such that the requirements of these Specifications are met at all times.

For Category 3, furnish a Quality Control (QC) plan to identify to the Engineer how quality will be ensured at the project site. During random inspections, the Engineer will use this document to verify that the construction of the project is in agreement with the QC plan.

344-3.4 Concrete Mix Design: Before producing any Category 1 or Category 2, submit the proposed mix designs to the Engineer on a form provided by the Engineer. For Category 3, submit to the Engineer for approval, FDOT approved mix designs. Do not use concrete mix designs without prior approval of the Engineer.

Materials may be adjusted provided that the theoretical yield requirement of the approved mix design is met. Show all required original approved design mix data and batch adjustments on an Engineer approved concrete delivery ticket.

344-3.5 Delivery: For Category 3, the maximum allowable transit time of concrete is 90 minutes.

Furnish a delivery ticket on a form approved by the Engineer with each batch of concrete before unloading at the placement site. Record material quantities incorporated into the mix on the delivery ticket. Ensure that the Batchers responsible for producing the concrete signs the delivery ticket certifying that the batch was produced and delivered in accordance with these requirements. Sign the delivery ticket certifying that the concrete was placed in accordance with these requirements.

344-3.6 Placing Concrete:

344-3.6.1 Concreting in Cold Weather: Do not mix or place concrete when the air temperature at placement is below 45°F.

During the curing period, if NOAA predicts the ambient temperature to fall below 35°F for 12 hours or more or to fall below 30°F for more than 4 hours, enclose the structure in such a way that the air temperature within the enclosure can be kept above 50°F for a period of 3 days after placing the concrete or until the concrete reaches a minimum compressive strength of 1,500 psi.

Assume all risks connected with the placing and curing of concrete. Although the Engineer may give permission to place concrete, the Contractor is responsible for satisfactory results. If the placed concrete is determined to be unsatisfactory, remove, dispose of, and replace the concrete at no expense to the Agency.

344-3.6.2 Concreting in Hot Weather: For Category 3, hot weather concreting is defined as the production, placing and curing of concrete when the concrete temperature at placing exceeds 86°F but is less than 100°F.

Unless the specified hot weather concreting measures are in effect, reject concrete exceeding 86°F at the time of placement. Regardless of special measures taken, reject concrete exceeding 100°F. Predict the concrete

temperatures at placement time and implement hot weather measures to avoid production shutdown.

344-3.7 Mixers: For Category 3 concrete, do not place concrete from a truck mixer that does not have a current FDOT mixer identification card.

344-3.8 Small Quantities of Concrete: With approval of the Engineer, small quantities of concrete, less than 3 cubic yards placed in one day and less than 0.5 cubic yards placed in a single placement may be accepted using a pre-bagged mixture. The Engineer may verify that the pre-bagged mixture is prepared in accordance with the manufacturer's recommendations and will meet the requirements of this Specification.

344-3.9 Sampling and Testing:

344-3.9.1 Category 1: The Engineer may sample and test the concrete to verify its quality. The minimum 28 day compressive strength requirement for this concrete is 2,500 psi.

344-3.9.2: Category 2: No sampling and testing is required for category 2.

344-3.9.3 Category 3: The Engineer will randomly select a sample from each 200 cubic yards or one day's production to determine plastic properties and to make three 4 x 8 inch cylinders for testing by the Engineer at 28 days to ensure that the design compressive strength has been met for the class of concrete as specified in Table 344-2.

344-3.10 Records: Ensure the following records are available for review for at least 3 years after final acceptance of the project:

1. Approved concrete mix designs.
2. Materials source (delivery tickets, certifications, certified mill test reports).
3. A copy of the scale company or testing agency report showing the observed deviations from quantities checked during calibration of the scales and meters.
4. A copy of the documentation certifying the admixture weighing/measuring devices.

#### *344-4 Acceptance of the Work.*

344-4.1 Category 1 Work: Category 1 work will be accepted based on certification by the batcher and contractor on the delivery ticket.

344-4.2 Category 2 Work: Certify that the precast elements were produced by a production facility on the FDOT's list of Producers with Accepted QC Programs for precast or prestressed concrete. In addition, the producer's logo shall be stamped on the element. The producer shall not use the Florida Department of Transportation QC stamp on elements used on this project. Provide a statement of certification from the manufacturer of the precast element that the element meets the requirements of this Specification.

344-4.3 Category 3 Work: Category 3 concrete will be accepted based on the Engineer's test results for plastic properties and compressive strength requirements for the class of concrete as defined in Table 344-2. In addition, a Delivery Ticket as described in 344-3.5 will be required for acceptance of the material at the project site.

344-4.4 Small Quantities of Concrete: Category 3 concrete meeting the definition of 344-3.8 will be accepted in accordance with 344-4.3 based on test results for plastic properties and compressive strength.

*344-5 Method of Measurement.*

The quantities to be paid for will be the items shown in the plans, completed and accepted.

*344-6 Basis of Payment.*

Prices and payments will be full compensation for all work and materials specified in this Section.

LANDSCAPE INSTALLATION FOR LAP (OFF-SYSTEM).  
(REV 4-5-11) (FA 4-15-11)

SECTION 580  
LANDSCAPE INSTALLATION FOR LAP (OFF-SYSTEM)

*580-1 Description.*

Plant trees and shrubs of the species, size, and quality indicated in the plans.

The Engineer reserves the right to adjust the number and location of any of the designated types and species to be used at any of the locations shown, in order to provide for any unanticipated effects which might become apparent after the substantial completion of other phases of the project, or for other causes.

*580-2 Materials.*

580-2.1 Plants:

580-2.1.1 Authority for Nomenclature; Species, etc.: For the designated authority in the identification of all plant material, refer to two publications of L.H. Bailey: "Hortus III" and "Manual of Cultivated Plants," and ensure that all specimens are true to type, name, etc., as described therein. For the standard nomenclature, refer to the publication of the American Joint Committee on Horticultural Nomenclature, "Standardized Plant Names."

580-2.1.2 Grade Standards and Conformity with Type and Species: Only use nursery grown plant material except where specified as Collected Material. Use nursery grown plant material that complies with all required inspection, grading standards, and plant regulations in accordance with the latest edition of the Florida Department of Agriculture's "Grades and Standards for Nursery Plants".

Except where a lesser grade might be specifically specified in the plans, ensure that the minimum grade for all trees and shrubs is Florida No. 1. Ensure that all plants are the proper size and grade at the time of delivery to the site, throughout the project construction period and during any designated plant establishment period.

Ensure that plant materials are true to type and species and that any plant materials not specifically covered in Florida Department of Agriculture's "Grades and Standards for Nursery Plants" conform in type and species with the standards and designations in general acceptance by Florida nurseries.

Ensure that plant materials are shipped with tags stating the botanical and common name of the plant.

580-2.1.3 Inspection and Transporting: Move nursery stock in accordance with all Federal and State regulations therefor, and accompany each shipment with the required inspection certificates for filing with the Engineer.

580-2.2 Water: Water used in landscaping operations may be obtained from any approved source. Ensure that water is free of any substance which might be detrimental to plant growth. The use of effluent water is subject to approval and must meet all Federal, State and Local requirements.

*580-3 Specific Requirements for the Various Plant Designations.*

580-3.1 Balled-and-Burlapped Plants (B&B), and Wired Balled-and-Burlapped (WB & B):

580-3.1.1 General: Properly protect the root ball of these plants until planting them. The Engineer may reject any plant which shows evidence of having been mishandled.

Set the B&B and WB&B plants then remove the top 2/3 of all wire, rope, and binding surrounding the plant. Remove the burlap from the top 4 inches of the root ball. Do not disturb the root ball in any way. Bare root material is not allowed for substitution.

At least 90 days before digging out B & B and WB & B plants, root-prune those 1 1/2 inches or greater in diameter and certify such fact on accompanying invoices.

580-3.1.2 Provisions for Wiring: For plants grown in soil of a loose texture, which does not readily adhere to the root system (and especially in the case of large plants or trees), the Engineer may require WB & B plants. For WB & B plants, before removing the plant from the excavated hole, place sound hog wire around the burlapped ball, and loop and tension it until the tightened wire netting substantially packages the burlapped ball such as to prevent disturbing of the loose soil around the roots during handling.

580-3.2 Container-Grown Plants (CG): The Engineer will not accept any CG plants with roots which have become pot-bound or for which the top system is too large for the size of the container. Fully cut and open all containers in a manner that will not damage the root system. Do not remove CG plants from the container until immediately before planting to prevent damage to the root system.

580-3.3 Collected Plants (Trees and Shrubs) (C): Use C plants which have a root ball according to "Florida Grades and Standards for Nursery Plants". Do not plant any C plant before the Engineer's inspection and acceptance at the planting site.

580-3.4 Collected Plants (Herbaceous) (HC): The root mass and vegetative portions of collected herbaceous plants shall be as large as the specified container-grown equivalent. Do not plant any collected plant before inspection and acceptance by the Engineer.

580-3.5 Specimen Plants (Special Grade): When Specimen (or Special Grade) plants are required, label them as such on the plant list, and tag the plant to be furnished.

580-3.6 Palms: Wrap the roots of all plants of the palm species before transporting, except if they are CG plants and ensure that they have an adequate root ball structure and mass for healthy transplantation as defined in "Florida Grades and Standards for Nursery Plants".

The Engineer will not require burlapping if the palm is carefully dug from marl or heavy soil that adheres to the roots and retains its shape without crumbling. During transporting and after arrival, carefully protect root balls of palms from wind and exposure to the sun. Muck grown palms are not allowed. After delivery to the job site, if not planting the palm within 24 hours, cover the

root ball with a moist material. Plant all palms within 48 hours of delivery to the site.

Move sabal and coconut palms in accordance with the "Florida Grades and Standards for Nursery Plants."

580-3.7 Substitution of Container-Grown (CG) Plants: With the Engineer's approval, the Contractor may substitute CG plants for any other root classification types, if he has met all other requirements of the Contract Documents.

#### *580-4 Planting Requirements.*

580-4.1 Layout: Prior to any excavation or planting, mark all planting beds and individual locations of palms, trees, large shrubs and proposed art and architectural structures, as shown in the plans, on the ground with a common bright orange colored spray paint, or with other approved methods, within the project limits. Obtain the Engineer's approval and make necessary utility clearance requests.

580-4.2 Excavation of Plant Holes: Excavate plant holes after an area around the plant three times the size of the root ball has been tilled to a depth of the root ball. Ensure that the plant hole is made in the center of the tilled area only to the depth of the plant root ball.

Where excess material has been excavated from the plant hole, use the excavated material to backfill to proper level.

580-4.3 Setting of Plants: Center plants in the hole. Lower the plant into the hole so that it rests on a prepared hole bottom such that the roots are level with, or slightly above, the level of their previous growth and so oriented such as to present the best appearance.

Backfill with native soil, unless otherwise specified on the plans. Firmly rod and water-in the backfill so that no air pockets remain. Apply a sufficient quantity of water immediately upon planting to thoroughly moisten all of the backfilled earth. Keep plants in a moistened condition for the duration of the planting period.

When so directed, form a water ring 6 inches in width to make a water collecting basin with an inside diameter equal to the diameter of the excavated hole. Maintain the water ring in an acceptable condition.

580-4.4 Special Bed Preparation: Where multiple or mass plantings are to be made in extended bedding areas, and the plans specify Special Bed Preparation, prepare the planting beds as follows:

Remove all vegetation from within the area of the planting bed and excavate the surface soil to a depth of 6 inches. Backfill the excavated area with peat, sand, finish soil layer material or other material to the elevation of the original surface. Till the entire area to provide a loose, friable mixture to a depth of at least 8 inches. Level the bed only slightly above the adjacent ground level. Then mulch the entire bedding area, in accordance with 580-8.

#### *580-5 Staking and Guying.*

580-5.1 General: When specified in the plans, or as directed by the Engineer, stake plants in accordance with the following.

Use wide plastic, rubber or other flexible strapping materials to support the tree to stakes or ground anchors that will give as the tree moves in any direction up to 30 degrees. Do not use rope or wire through a hose. Use guy chords, hose or any other thin bracing or anchorage material which has a minimum 12 inches length of high visibility flagging tape secured to guys, midway between the tree and stakes for safety.

Stake trees larger than 1 inch diameter and smaller than 2 inches diameter with a 2 by 2 inch stake, set at least 2 feet in the ground and extending to the crown of the plant. Firmly fasten the plant to the stake with flexible strapping materials as noted above.

580-5.2 Trees of 2 to 3 1/2 inches [50 to 90 mm] Caliper: Stake all trees, other than palm trees, larger than 2 inches caliper and smaller than 3 1/2 inches caliper with two 2 by 4 inch stakes, 8 feet long, set 2 feet in the ground. Place the tree midway between the stakes and hold it firmly in place by flexible strapping materials as noted above.

580-5.3 Large Trees: Guy all trees, other than palm trees, larger than 3 1/2 inches caliper, from at least three points, with flexible strapping materials as noted above.

Anchor flexible strapping to 2 by 4 by 24 inch stakes, driven into the ground such that the top of the stake is at least 3 inches below the finished ground.

580-5.4 Special Requirements for Palm Trees: Brace palms which are to be staked with three 2 by 4 inch wood braces, toe-nailed to cleats which are securely banded at two points to the palm, at a point one third the height of the trunk. Pad the trunk with five layers of burlap under the cleats. Place braces approximately 120 degrees apart and secure them underground by 2 by 4 by 12 inch stake pads.

#### *580-6 Tree Protection and Root Barriers.*

Install tree barricades when called for in the Contract Documents or by the Engineer to protect existing trees from damage during project construction. Place barricades at the drip line of the tree foliage or as far from the base of the tree trunk as possible. Barricades shall be able to withstand bumps by heavy equipment and trucks. Maintain barricades in good condition.

When called for in the Contract Documents, install root barriers or fabrics in accordance with the details shown.

#### *580-7 Pruning.*

Prune all broken or damaged roots and limbs in accordance with established arboriculture practices. When pruning is completed ensure that all remaining wood is alive. Do not reduce the size or quality of the plant below the minimum specified.

#### *580-8 Mulching.*

Uniformly apply mulch material, consisting of wood chips (no Cypress Mulch is allowed), pine straw, compost, or other suitable material approved by the Engineer, to a minimum loose thickness of 3 inches over the entire area of the

This page to be used if permits are required.

**DIVISION P**

**PERMITS**

BID NO. 13-0022

PERMIT INDEX

<u>AGENCY</u>	<u>PERMIT NO.</u>	<u>PAGE NO. (s)</u>
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Florida Fish and Wildlife Conservation Commission – Gopher Tortoise Conservation	GTC-12-00072	P-10 thru P-18



# St. Johns River Water Management District

Kirby R. Green III, Director • David W. Fisk, Assistant Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500  
On the Internet at [floridaswater.com](http://floridaswater.com).

## REGULATION OF STORMWATER MANAGEMENT SYSTEMS

### CHAPTER 40C-42, F.A.C.

PERMIT NO. 42-069-128002-1  
A PERMIT AUTHORIZING:

DATE ISSUED: June 27, 2011

modification of an existing stormwater management system for CR 450 Paved Shoulders: From Marion Co. Line to Lake Yale Road, a 31.23 - acre roadway project to be constructed as per plans received by the District on June 2, 2011.

#### LOCATION:

Section(s): 5, 8, 9, 10, 15 Township(s): 18S Range(s): 26E

Lake County

#### ISSUED TO:

Lake County  
437 Ardice Ave  
Eustis, FL 32726-6573

This document shall serve as the formal permit for construction and operation of stormwater management system in accordance with Chapter 40C-42, F.A.C., issued by the staff of the St. Johns River Water Management District on June 27, 2011. This permit is subject to the standard limiting conditions and other special conditions approved by the staff. These conditions are enclosed.

This permit is a legal document and should be kept with your other important records. The permit requires the submittal of an As-built certification and may require submittal of other documents. All information provided in compliance with permit conditions should be submitted to the District office from which the permit was issued. An As-built certification form is attached. Complete this form within 30 days of completion of construction of the permitted system, including all site work.

Upon receipt of the As-built certification, staff will inspect the project site. Once the project is found to be in compliance with all permit requirements, the permit may be converted to its operation phase and responsibility transferred to the operation and maintenance entity in accordance with Chapter 40C-42.028, F.A.C.

Permit issuance does not relieve you from the responsibility for obtaining permits from any federal, state, and/or local agencies asserting concurrent jurisdiction over this work. Please

#### GOVERNING BOARD

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FORT MCCOY

note that if dewatering is to occur during any phase of construction or thereafter and the surface water pump(s), wells, or facilities are capable of withdrawing one million gallons of water per day or more, or an average of 100,000 gallons per day or more over a year, and any discharge is to be off-site, you must apply for and obtain a Consumptive Use Permit (40C-2) from the District prior to starting the dewatering. Please contact the District if you need additional information or application materials.

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part thereof.

This permit does not convey to permittee any property rights nor any rights of privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified, or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes.

In the event you sell your property, the permit will be transferred to the new owner, if we are notified by you within thirty days of the sale. Please assist us in this matter so as to maintain a valid permit for the new property owner.

Thank you for your cooperation, and if this office can be of any further assistance to you, please do not hesitate to contact us.

David Dewey, Service Center Director - Altamonte Springs

Department of Environmental Resource Permitting

Enclosures: As-built Certification Form  
Exhibit A

cc: District Permit File

**"EXHIBIT A"**  
**CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 42-069-128002-1**  
**Lake County**  
**DATED JUNE 27, 2011**

1. This permit for construction will expire five years from the date of issuance unless otherwise specified by a special condition of the permit.
2. Permittee must obtain a permit from the District prior to beginning construction of subsequent phases or any other work associated with this project not specifically authorized by this permit.
3. Before any offsite discharge from the stormwater management system occurs, the retention and detention storage must be excavated to rough grade prior to building construction or placement of impervious surface within the area served by those systems. Adequate measures must be taken to prevent siltation of these treatment systems and control structures during construction or siltation must be removed prior to final grading and stabilization.
4. The permittee must maintain a copy of this permit complete with all conditions, attachments, exhibits, and permit modification in good condition at the construction site. The complete permit must be available for review upon request by District representatives. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
5. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall be considered a violation of this permit.
6. District authorized staff, upon proper identification, must be granted permission to enter, inspect and observe the system to insure conformity with the plans and specifications approved by the permit.
7. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which are hereby incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specification in chapter 6 of the Florida Land Development Manual: A guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
8. If the permitted system was designed by a registered professional, within 30 days after completion of the stormwater system, the permittee must submit to the District the following: District Form No. 40C-1.181(13) (As built Certification By a Registered Professional), signed and sealed by an appropriated professional registered in the State of Florida, and two (2) sets of "As Built" drawings when a) required by a special condition of this permit, b) the professional uses "As Built" drawings to support the As Built

Certification, or c) when the completed system substantially differs from permitted plans. This submittal will serve to notify the District staff that the system is ready for inspection and approval.

9. If the permitted system was not designed by a registered professional, within 30 days after completion of the stormwater system, the permittee must submit to the District the following: District Form No. 40C-1.181(14) (As built Certification), signed by the permittee and two (2) sets of "As Built" drawings when required by a special condition of this permit, or when the completed system substantially differs from permitted plans. This submittal will serve to notify the District staff that the system is ready for inspection and approval.
10. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven (7) days before the construction activity in that portion of the site has temporarily or permanently ceased.
11. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the Changes prior to implementation so that a determination can be made whether a permit modification is required.
12. Within thirty (30) days after sale or conveyance of the permitted stormwater management system or the real property on which the system is located, the owner in whose name the permit was granted shall notify the District of such change of ownership. Transfer of the permit shall be in accordance with the provisions of section 40C-612, F.A.C. All terms and conditions of this permit shall be binding upon the transferee. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
13. The stormwater management system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure. The system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of the stormwater management system to a local government or other responsible entity.
14. The operation phase of the permit shall not become effective until the permittee has submitted the appropriate As-Built Certification Form, the District determines that the system complies with the permitted plans, and the entity approved by the District in accordance with section 40C-42.027, F.A.C., accepts responsibility for operation and maintenance of the system. The permit cannot be transferred to such an approved, responsible operation and maintenance entity until the requirements of section 40C-42.028, F.A.C., are met, and the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District in accordance with section 40C-42.028, F.A.C., the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to subsection 40C-42.028 (4) F.A.C., the permittee shall be liable for compliance with the terms of the permit.
15. Prior to lot or unit sales, or upon completion of construction of the system, whichever occurs first, the District must receive the final operation and maintenance document(s) approved by the District and recorded, if the latter is appropriate. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local government entity, Failure to submit the

appropriate final document will result in the permittee remaining personally liable for carrying out maintenance and operation of the permitted system.

16. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40C-42.028, F.A.C.
17. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
18. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.
19. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.
20. All wetland areas or water bodies that are outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity, and dewatering.
21. Prior to construction, the permittee must clearly designate the limits of construction on-site. The permittee must advise the contractor that any work outside the limits of construction, including clearing, may be a violation of this permit.
22. The operation and maintenance entity shall inspect the stormwater or surface water management system once within two years after the completion of construction and every two years thereafter to determine if the system is functioning as designed and permitted. The operation and maintenance entity must maintain a record of each required inspection, including the date of the inspection, the name, address, and telephone number of the inspector, and whether the system was functioning as designed and permitted, and make such record available for inspection upon request by the District during normal business hours. If at any time the system is not functioning as designed and permitted, then within 14 days the entity shall submit an Exceptions Report to the District, on form number 40C-42.900(6), Exceptions Report for Stormwater Management Systems Out of Compliance.
23. The proposed stormwater management system shall be constructed and operated in accordance with the plans received by the District on June 2, 2011.

## Notice Of Rights

1. A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the St. Johns River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code, the petition must be filed (received) either by delivery at the office of the District Clerk at District Headquarters, P. O. Box 1429, Palatka Florida 32178-1429 (4049 Reid St., Palatka, FL 32177) or by e-mail with the District Clerk at [Clerk@sjrwmd.com](mailto:Clerk@sjrwmd.com), within twenty-six (26) days of the District depositing the notice of intended District decision in the mail (for those persons to whom the District mails actual notice), within twenty-one (21) days of the District emailing the notice of intended District decision (for those persons to whom the District emails actual notice), or within twenty-one (21) days of newspaper publication of the notice of intended District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Chapter 28-106, Florida Administrative Code. The District will not accept a petition sent by facsimile (fax), as explained in paragraph no. 5 below. Mediation pursuant to Section 120.573, Florida Statutes, is not available.
2. If the District takes action that substantially differs from the notice of intended District decision, a person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the District, but this request for administrative hearing shall only address the substantial deviation. Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code, the petition must be filed (received) at the office of the District Clerk at the mail/street address or email address described in paragraph no. 1 above, within twenty-six (26) days of the District depositing notice of final District decision in the mail (for those persons to whom the District mails actual notice), within twenty-one (21) days of the District emailing the notice of final District decision (for those persons to whom the District emails actual notice), or within twenty-one (21) days of newspaper publication of the notice of final District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Chapter 28-106, Florida Administrative Code. Mediation pursuant to Section 120.573, Florida Statutes, is not available.
3. A person whose substantial interests are or may be affected has the right to a formal administrative hearing pursuant to Sections 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must also comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.
4. A person whose substantial interests are or may be affected has the right to an informal administrative hearing pursuant to Sections 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an Informal hearing must also comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

## Notice Of Rights

5. A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Palatka, Florida during the District's regular business hours. The District's regular business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8:00 a.m. on the District's next regular business day. The District's acceptance of petitions filed by e-mail is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation (issued pursuant to Rule 28-101.001, Florida Administrative Code), which is available for viewing at [floridaswater.com](http://floridaswater.com). These conditions include, but are not limited to, the petition being in the form of a PDF or TIFF file and being capable of being stored and printed by the District. Further, pursuant to the District's Statement of Agency Organization and Operation, attempting to file a petition by facsimile is prohibited and shall not constitute filing.
6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, Florida Administrative Code).
7. The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40C-1.1007, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. A person whose substantial interests are or may be affected by the District's final action has the right to become a party to the proceeding, in accordance with the requirements set forth above.
8. Pursuant to Section 120.68, Florida Statutes, a party to the proceeding before the District who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.
9. A District action is considered rendered, as referred to in paragraph no. 8 above, after it is signed on behalf of the District, and is filed by the District Clerk.
10. Failure to observe the relevant time frames for filing a petition for judicial review as described in paragraph no. 8 above will result in waiver of that right to review.

NOR.DOC.001  
Revised 7/27/09

Notice Of Rights

Certificate of Service

I HEREBY CERTIFY that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

Lake County  
437 Ardice Ave  
Eustis, FL 32726-6573

At 4:00 p.m. this 27th day of June, 2011.



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Division of Regulatory Support  
Victor Castro, Division Director

St. Johns River Water Management District  
Post Office Box 1429  
Palatka, FL 32178-1429  
(386) 329-4570  
Permit Number: 42-069-128002-1



**Gopher Tortoise Conservation**  
 FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION  
 Division of Habitat and Species Conservation  
 Species Conservation Planning Section  
 620 South Meridian Street, Mail Station 2A  
 Tallahassee, Florida 32399-1600  
 (850) 921-1031

Permittee Name: Lake County Board of County Commissioners  
 Permittee Address: Post Office Box 7800  
 TAVARES, FLORIDA  
 32778 UNITED STATES

Permit Number: GTC-12-00072  
 Effective Date: July 2, 2012  
 Expiration Date: July 2, 2013

Agent Name: Jennifer Matusick  
 Agent Address: Kleinfelder  
 1174 Camp Ave.  
 MOUNT DORA, FLORIDA 32757  
 UNITED STATES

**IS AUTHORIZED TO:**

Capture by bucket trap, hand shovel and backhoe excavation of gopher tortoise burrows, remove and relocate up to 13 gopher tortoises (*Gopherus polyphemus*) by non-harmful means and to molest, damage or destroy gopher tortoise burrows while conducting these activities, subject to the following conditions and provisions, in association with development activities at the following site.

**AUTHORIZED LOCATION(S):** 32.47-acre County Road 450 site, from Rigdon Road to Wilson Parrish Road (T18S,R26E,S5, 8, 9, 10, & 15; with Latitude 28° 57' 38.78"N and Longitude 81° 41' 19.59"W, and Latitude 28° 55' 48.48"N and Longitude 81° 41' 36.41"W), Lake County, relocated to and released at the 486.30-acre off-site Adams Ranch (T31S,R33E,S09; with Latitude 27° 47' 36.16"N and Longitude 81° 1' 47.72"W), in Osceola County, that is authorized to receive gopher tortoises under recipient site permit number GTLR-11-00005.

Permittee Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Richard McCann

Authorized for: Nick Wiley, Executive Director

*Richard D. McCann*

Authorizing Signature: \_\_\_\_\_  
 Species Conservation Planning Section

Date: 07/02/2012

#### PERMIT CONDITIONS AND PROVISIONS:

- 1 Authorization to conduct the specified activities in association with the relocation of gopher tortoises in Florida are subject to Rules 68A-9.002 and 68A-27 Florida Administrative Code (F.A.C.), and the Florida Fish and Wildlife Conservation Commission's (hereafter, "FWC") Gopher Tortoise Permitting Guidelines-April 2008 (revised November 2011), and the following provisions/conditions.
- 2 Tortoises shall not be captured/relocated on days for which the overnight low temperature for that day and the two consecutive days thereafter is forecasted by the U.S. National Weather Service to be below 50°F. This 3-day window of milder overnight temperatures is to allow the relocated tortoises to settle into the recipient site. Authorizing the capture/relocation is otherwise predicated and conditioned on the information and assurances provided in the permittee's 06/12/2012 application (supplemented on 06/20/2012), the assurances of which are herein incorporated by reference.
- 3 Gopher tortoise burrow commensals not listed as endangered, threatened, or species of special concern in Rule 68A-27 F.A.C. that are encountered in the capture operation may likewise be live-captured, relocated and released. In addition, no more than one Florida pine snake (*Pituophis melanoleucas mugitis*), or 10 each of the Florida mouse (*Podomys floridanus*) and gopher frog (*Litobates capito*) may be relocated. Should additional specimens of these species or other species listed as endangered, threatened or species of special concern, be encountered, the capture operation is to be suspended immediately and the Permittee shall call the Gopher Tortoise Permit Coordinator's office at (850)921-1031 for instructions.
- 4 Only individuals who are in possession of a valid permit or authorization issued by the United States Fish and Wildlife Service to capture or possess an eastern indigo snake (*Drymarchon corais couperi*) are permitted to physically handle these snakes. If individuals without this permit or authorization encounter an eastern indigo snake during attempts to capture gopher tortoises or during subsequent land alteration or development activities within the property, all movement of heavy equipment and land alteration or development activities within the vicinity of the snake shall cease to allow the snake to vacate the area. No movement of heavy equipment, or land alteration or development activities within the vicinity of the snake shall resume until the snake has vacated the work area.
- 5 Captured gopher tortoises that show signs of disease (i.e., nasal and ocular discharge, emaciation, etc.) should not be relocated off-site. At the Permittee's discretion, symptomatic tortoises may be: relocated on-site; transported to and quarantined at a FWC-licensed wildlife rehabilitation center (list available upon request) or licensed veterinary facility and observed for recovery and subsequent relocation along with others from the population; transported and donated to a FWC-permitted disease research program; or humanely euthanized by a licensed veterinarian when disease is advanced.
- 6 Gopher tortoises released at a recipient site shall be released into an enclosure in conformance with the FWC enclosure requirements. The enclosure must be maintained for a minimum period of six months from the final release of gopher tortoises into the enclosure, but no longer than twelve months; however, the maximum 12-month time limit will not apply when the entire perimeter of the approved recipient site parcel is permanently fenced in conformance with the FWC enclosure requirements. Enclosure materials, construction methods and dimensions must conform to the requirements specified in the Gopher Tortoise Permitting Guidelines. The enclosures must be regularly monitored and maintained, including the immediate repair of any damage to maintain the integrity of the enclosure. Monitoring of the enclosure shall be conducted at least once a week for the first four weeks following release of tortoises, and at least once a month thereafter.
- 7 Gopher tortoises may be released into an enclosure constructed within a portion of a recipient site. The stocking rate within the enclosure may be up to 1.5 times the gopher tortoise density that is approved by the FWC for that entire recipient site parcel. However, the maximum number of tortoises approved by the FWC for release into the entire recipient site parcel shall not be exceeded.

- 8 This permit does not authorize Permittee access to any public or private properties. Any required permission must be secured from the appropriate landholders prior to undertaking any work on such properties.
- 9 Captures/relocations may be conducted only if written local government approvals have been obtained for land clearing or grading, or construction activities. This permit is subject to revocation at any time pursuant to Chapter 120, Florida Statutes. It is non-transferable and must be readily available for inspection at all times while engaging in the permitted activities.
- 10 The activities authorized under this Permit must be carried out by the Authorized Gopher Tortoise Agent ("Authorized Agent") designated on this permit, or under the direct supervision and responsibility of that Authorized Agent. The Permittee and Authorized Agent shall be as fully responsible for any such activities to the same extent as if they had themselves carried out those activities under this Permit.
- 11 A gopher tortoise burrow survey covering 100% of the gopher tortoise habitat within the donor site must be conducted by the Authorized Agent and a burrow location map depicting the survey results shall be submitted to the FWC no more than 90 days and no fewer than 72 hours (excluding weekends and holidays) prior to commencing any gopher tortoise capture and relocation activities. Site preparation or development activities that disturb the vegetation or the ground which prevent the FWC from checking the accuracy of 100% gopher tortoise burrow surveys shall not be conducted until at least 72 hours (excluding weekends and holidays) after the 100% burrow survey results and burrow location map have been received by FWC.
- 12 The Permittee shall notify the Gopher Tortoise Permit Coordinator by fax at (850)488-5297 or by phone at (850)921-1031, at least 24 hours before initiating the tortoise relocation effort.
- 13 Either this original permit, or a complete copy, must be clearly posted at the affected site at all times while engaged in the permitted tortoise relocation activities.
- 14 Any gopher tortoise mortality or injury that occurs while conducting activities authorized under this permit shall be reported to the Gopher Tortoise Permit Coordinator (phone number 850-921-1031) within 24 hours of the occurrence. An injured gopher tortoise shall be promptly taken to either a licensed wildlife rehabilitation facility or a licensed veterinarian for evaluation and treatment. Contact information for the facility or veterinarian shall be included with the information reported.
- 15 The Permittee, by signing this permit, specifically agrees to allow authorized FWC personnel, upon presentation of credentials as may be required by law, access to the donor and recipient sites, at reasonable times, for the purpose of inspecting the capture/relocation activities authorized under this permit.
- 16 The Permittee shall submit a report detailing the capture/relocation to the Species Conservation Planning Section (SCPS) using the FWC's on-line gopher tortoise permitting system, or by mail delivery service to the Gopher Tortoise Permit Coordinator at the address listed on this permit's letterhead, with a copy provided to the recipient site landowner(s), within 30 days of release of the captured/relocated tortoises involved. A report form is attached for use in that regard. Any request for permit renewal or extension shall be submitted at least 45 days prior to the expiration date of this permit.

**A person whose substantial interests are affected by FWC's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. A person seeking a hearing on FWC's action shall file a petition for hearing with the agency within 21 days of receipt of written notice of the decision. The petition must contain the information and otherwise comply with section 120.569, Florida Statutes, and the uniform rules of the Florida Division of Administration, chapter 28-106, Florida Administrative Code. Upon such notification, the Permittee shall cease all work authorized by this permit until the petition is resolved. The enclosed Explanation of Rights statement**

provides additional information as to the rights of parties whose substantial interests are or may be affected by this action.

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION  
EXPLANATION OF RIGHTS

If your substantial interests are or will be determined by the Florida Fish and Wildlife Conservation Commission's action or proposed action stated in the accompanying notice, you may make any one of the following elections on the attached Election of Rights form and file the form within twenty-one (21) days from the date you receive the notice of agency action or proposed action. If you so choose, please return the completed Election of Rights form with the enclosed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code, to the address listed on the Election of Rights form.

1. If you wish to contest the agency action or proposed action, but do not dispute any of the issues of material fact set forth in the notice, you may request an informal proceeding pursuant to Sections 120.569 and 120.57(2), Florida Statutes. In the event that your request for an informal proceeding is granted, you will be given the opportunity to either simply present a written statement challenging the grounds upon which the Commission has chosen to justify its action or inaction or present evidence in mitigation.

Any request for an informal proceeding in this matter should be made by checking the space marked as 1 on the Election of Rights form and filing the completed and signed form with the Commission within twenty-one (21) days from the date of receipt of the notice. In making such a request, you must include with the completed and signed Election of Rights form either the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code. Additionally, your request must include a copy of the notice of agency action or proposed action being challenged.

2. If you wish to contest agency action or proposed action and you dispute one or more of the issues of material fact as set forth in the notice, you may request a formal hearing pursuant to Sections 120.569 and 120.57(1), Florida Statutes. If there is a disputed issue of material fact and your request is otherwise complete, an administrative law judge shall be furnished by the Division of Administrative Hearings of the Department of Management Services pursuant to Sections 120.569 and 120.57(1), Florida Statutes. A petition shall be dismissed if it fails to state disputed issues of material fact, if otherwise is not in substantial compliance with the requirements of 28-106.201(2) FAC, or it has been untimely filed.

Any request for a formal hearing in this matter should be made by checking the space marked as 2 on the Election of Rights form and filing the completed and signed form with the Commission within twenty-one (21) days from the date of receipt of the notice. In making such a request, you must include with the completed and signed Election of Rights form either the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code. Additionally, your request must include a copy of the notice of agency action or proposed action being challenged.

3. If you do not wish to contest the agency action or proposed action, you may indicate this by checking the space marked as 3 on the Election of Rights form and filing the completed and signed form with the Commission. If you make this election, you do not need to include the completed and signed Petition form.

Failure to make any election in this matter, as provided above, within twenty-one (21) days from the date you received the notice, shall be considered a waiver of your rights to any administrative proceeding as provided in either 1 or 2, above.

Mediation is not an available alternative with respect to this action or proposed action.

**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION**  
**ELECTION OF RIGHTS**

I have read the Explanation of Rights provided to me by the Florida Fish and Wildlife Conservation Commission (Commission) and understand my options. (You may select one of the options below and return this form to the Commission no later than 21 days from the receipt of the notice of agency action or proposed action or, if you do not want an administrative hearing or informal proceeding, you do not need to complete this form)

1. I am challenging the agency action and want an informal proceeding. I do not dispute any of the issues of material fact in the notice of agency action or proposed action, but do want an informal proceeding, pursuant to Sections 120.569 and 120.57(2), Florida Statutes. I understand that I may either submit a written statement or submit evidence in mitigation to the agency head or designated representative. I have attached the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a petition that complies with Chapter 28-106, of the Florida Administrative code.

2. I am challenging the agency action and want an administrative hearing. I do dispute one or more issues of material fact in the notice of agency action or proposed action, I have attached the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a petition that complies with Chapter 28-106, of the Florida Administrative code, and I request a formal hearing, pursuant to Sections 120.569 and 120.57(1), Florida Statutes, before an administrative law judge appointed by the Division of Administrative Hearings.

3. I do not wish to challenge the agency action. I do not dispute any of the issues of material fact in the Notice of action or proposed action and waive my right to object or to be heard.

I have read and understand the Election of Rights form and understand that I have the right to be represented by counsel or a qualified representative at an administrative proceeding. I also understand that I must attach a petition to this request if I have requested a hearing or an informal proceeding.

Please sign and state your current address and telephone number:

_____ Signature	_____ Date
_____ PRINT NAME	_____ Phone Number

The above indicated person is  the Petitioner,  counsel for the Petitioner, or  the qualified representative of the Petitioner (Please check one).

_____ _____ Petitioner's name and address	_____ _____ Attorney or representative's name and address (if applicable)
_____ Petitioner's email address	_____ Attorney or representative's email address

If applicable, please list the type of Permit/License applied for and the Permit/License Number

Please mail form to: **Legal Office**  
**Florida Fish and Wildlife Conservation Commission**  
**620 South Meridian Street**  
**Tallahassee, Florida 32399-1600**

**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION**  
**PETITION FOR ADMINISTRATIVE PROCEEDING**  
Compliance of Section 120.569(2)(c), Florida Statutes, and  
Chapter 28-106, Florida Administrative Code

*Only if challenging the agency action*, please complete this form or otherwise provide the information required by Chapter 28-106, of the Florida Administrative Code and send to the following address along with the completed Election of Rights form and a copy of the challenged agency action:

Legal Office  
Florida Fish and Wildlife Conservation Commission  
620 South Meridian Street  
Tallahassee, Florida 32399-1600

1. Please list the name and address of each agency affected and each agency's file or identification number, if known:

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2. Please identify the petitioner (the individual or organization requesting the hearing):

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone number: (\_\_\_\_) \_\_\_\_ -- \_\_\_\_\_

3. Please identify the petitioner's counsel or representative (if any):

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone number: (\_\_\_\_) \_\_\_\_ -- \_\_\_\_\_

[The address of petitioner's counsel or representative, if listed above, shall be the address for service purposes during the course of the proceedings]

4. Please explain how the petitioner's substantial interests are or will be affected by the Commission's action or proposed action:

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5. Please explain when and how the petitioner received notice of the Commission's action or proposed action:

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6. Please indicate whether the petitioner disputes any material facts and, if so, state all disputed material facts:

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7. Please concisely state the ultimate facts alleged, including a statement of the specific facts that the petitioner contends warrant reversal or modification of the Commission's action or proposed action:

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8. Please state the specific rules or statutes that the petitioner contends require reversal or modification of the Commission's action or proposed action:

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9. Explanation of how the alleged facts (7) relate to the specific Rules or Statutes (8) stated above:

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10. Please state the relief sought by the petitioner, stating precisely the action that the petitioner wants the Commission to take with respect to the action or proposed action:

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Either the Petitioner, counsel for the Petitioner, or the qualified representative of the Petitioner must sign below agreeing that the person signing this document has read this Petition, made a reasonable inquiry, and is not filing this document for any improper purposes, frivolous purpose, or needless increase in the cost of litigation.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
PRINT NAME

The above indicated person is  the Petitioner,  counsel for the Petitioner, or  the qualified representative of the Petitioner (Please check one).

**Checklist for After-action Reports Submitted Following  
Permitted Relocations of Gopher Tortoises**

[NOTE: After Action Reports shall be submitted within 30 days of release of the relocated/captured tortoises.]

**100% Survey results:**

\_\_\_ Date the 100% GT survey was completed

\_\_\_ Number of potentially occupied burrows\*

\*Enter only the number of burrows where you attempted to catch a tortoise and then collapsed the burrow.

Data can be captured in two manners:

- 1) The entire project site is included in one 100% survey. If more than one after action report is submitted, 100% survey information should only be on one of the reports.
- 2) The project site is broken into multiple but additive 100% surveys, reported in multiple reports. In this case, the 100% survey listed on an interim report should be the 100% survey of the area in that particular project section.

**For each gopher tortoise relocated:**

\_\_\_ Capture date

\_\_\_ Gopher tortoise identification number from the recipient site

\_\_\_ Sex (M/F/J) [J <130 mm]

\_\_\_ Size (mm)

\_\_\_ Weight (grams) [optional]

\_\_\_ Health status (Healthy/Injured/Diseased/Mortality)

\_\_\_ Release date

\_\_\_ Recipient site/unit name

\_\_\_ Capture method

\_\_\_ Marking method/type (drilling scutes and/or notching scutes and/or PIT tags)

\_\_\_ Name of person capturing the gopher tortoise

**For each commensal species relocated:**

\_\_\_ Name of species relocated

\_\_\_ Number of individuals of that species relocated

\_\_\_ Recipient site/unit name

**For each gopher tortoise nest with eggs relocated:**

\_\_\_ Description/location of nest

\_\_\_ Number of eggs

\_\_\_ Recipient site/unit name

**Please use the comments section to explain:**

1. If the number of potentially occupied burrows is less than the number of burrows documented on the last 100% GT survey.
2. If the burrow occupancy rate is less than 0.5
3. The circumstances for any tortoise that is diseased, injured, or deceased.

**DIVISION W**

**BID FORM**

C.W. Roberts Contracting, Inc.

\_\_\_\_\_  
COMPANY NAME

NOTE: BIDDER SHALL SUBMIT BID IN DUPLICATE ON FORM PROVIDED HEREIN.

**BID**

OF

C.W. Roberts Contracting, Inc.

\_\_\_\_\_  
(Name)

3372 Capital Circle NE, Tallahassee, FL 32308

\_\_\_\_\_  
(Address)

850 385.5060  
( ) \_\_\_\_\_

(Phone No.)

FOR

BID NO. 13-0022

CR-450 Paved Shoulders

PROJECT NO. 2013-02

FPN: 427480-1-58-01

FAN: 8886-126-A

Lake County, Florida

Submitted February 7, 20<sup>13</sup>

TO THE COUNTY OF LAKE, FLORIDA:

We, the undersigned, hereby declare that no person or persons, firm or corporation, other than the undersigned, are interested in this proposal, as principals, and that this Bid is made without collusion with any person, firm or corporation, and we have carefully and to our full satisfaction examined the Special Provisions and form of Contract and Bond, together with the approved Plans and Specifications for the above described project, and that we have made a full examination of the location of the proposed work and the source of supply of materials, and we hereby agree to furnish all necessary labor, equipment, and materials, fully understanding that the quantities shown herewith are approximate only, and that we will fully complete all necessary work in accordance with the Plans and Specifications, and the requirements under them of the Engineer, within the time limit specified in this Bid for the following unit values, to-wit:

BID FORM - TABULATION OF ESTIMATED QUANTITIES  
 CR-450 PAVED SHOULDERS  
 PROJECT NO. 2013-02 , BID NO. 13-0022, FPN: 427480-1-58-01, FAN: 8886-126-A  
**ROADWAY CONSTRUCTION**

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	AMOUNT
1	MOBILIZATION	LS	\$81,000.00	1	\$81,000.00
2	TRAFFIC CONTROL	LS	\$55,000.00	1	\$55,000.00
3	CLEAR AND GRUB	LS	\$21,000.00	1	\$21,000.00
4	EXCAVATION CUT	CY	\$4.05	21120	\$85,536.00
5	EXCAVATION FILL	CY	\$0.50	4681	\$2,340.50
6	GRADING/FINAL DRESSING	LS	\$20,000.00	1	\$20,000.00
7	6" TYPE B STABILIZATION (40 LBR)	SY	\$0.50	18335	\$9,167.50
8	12" TYPE B STABILIZATION (40 LBR)	SY	\$5.00	27503	\$137,515.00
9	6" LIMEROCK	SY	\$11.75	1427	\$16,767.25
10	10" LIMEROCK (2 LIFTS)	SY	\$10.55	26805	\$282,792.75
11	1" MINIMUM SP-9.5	SY	\$15.15	1427	\$21,619.05
12	2" MINIMUM SP-9.5 (2-1" LIFTS)	SY	\$8.90	80662	\$717,891.80
13	2" MINIMUM SP-12.5	SY	\$9.55	26802	\$255,959.10
14	2 1/2" MINIMUM SP-12.5	SY	\$14.70	50	\$735.00
15	ASPHALT OVERBUILD	SY	\$4.40	55010	\$242,044.00
16	1" MILLING	SY	\$0.70	55010	\$38,507.00
17	BASE REMOVAL	SY	\$2.85	200	\$570.00
18	PRIME AND SAND	SY	\$0.21	24120	\$5,065.20
19	TACK COAT	SY	\$0.21	176478	\$37,069.38
20	ASPHALT DRIVEWAY CONSTRUCTION	SY	\$0.00	1427	\$0.00
21	CONCRETE DRIVEWAY CONSTRUCTION	SY	\$32.75	491	\$16,080.25
22	18" RCP	LF	\$28.30	904	\$25,583.20
23	18" MES	EA	\$856.50	15	\$12,847.50
24	18" ENDWALL	EA	\$1,734.00	9	\$15,606.00
25	PIPE REMOVAL	LS	\$6.25	800	\$5,625.00
26	TYPE D INLET	EA	\$2,075.00	2	\$4,150.00
27	P-7 MANHOLE	EA	\$1,215.00	1	\$1,215.00
28	STRUCTURE REMOVAL	EA	\$150.00	21	\$3,150.00
29	RIP RAP RUBBLE	TN	\$73.00	10	\$730.00
30	FLOWABLE FILL 100 PSI	CY	\$160.00	33	\$5,280.00
	<b>CONTINUED NEXT PAGE</b>				

BID FORM – TABULATION OF ESTIMATED QUANTITIES  
 CR-450 PAVED SHOULDERS  
 PROJECT NO. 2013-02, BID NO. 13-0022, FPN: 427480-1-58-01, FAN: 8886-126-A  
**ROADWAY CONSTRUCTION**

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	AMOUNT
31	DITCH BLOCKS	EA	\$35.65	410	\$14,616.50
32	EROSION CONTROL	LS	\$8,800.00	1	\$8,800.00
33	SILT FENCE	LF	\$0.65	39800	\$25,870.00
34	SOD	SY	\$1.55	67396	\$104,463.80
35	THERMOPLASTIC STRIPING/AUDIBLE PAVEMENT MARKINGS	LS	\$129,000.00	1	\$129,000.00
36	ROADWAY SIGN REMOVAL/INSTALLATION	LS	\$32,500.00	1	\$32,500.00
37	GUARDRAIL	LF	\$75.00	50	\$3,750.00
38	SURVEY/LAYOUT	LS	\$26,750.00	1	\$26,750.00
39	PAYMENT/PERFORMANCE BOND	LS	\$16,900.00	1	\$16,900.00
40	NPDES PERMIT	LS	\$425.00	1	\$425.00
41	PORTABLE TOILET	LS	\$3,850.00	1	\$3,850.00
42	MISC ASPHALT	TN	\$144.30	2	\$288.60
43			\$		\$
44			\$		\$
45			\$		\$
TOTAL LUMP SUM BID (FIGURES):					\$2,488,051.38
TOTAL LUMP SUM BID (WORDS):					TWO MILLION, FOUR HUNDRED EIGHTY EIGHT THOUSAND, FIFTY ONE DOLLARS AND THIRTY EIGHT CENTS.
NUMBER OF CALENDAR DAYS TO COMPLETE					190

The undersigned further agrees to execute the Contract within ten (10) calendar days after receipt of notice of award, and within the time frame of Division X.

The undersigned further agrees to bear the full cost of maintaining all work until the final acceptance.

The undersigned further declares that his Bid is based on specifications as modified by the following Addenda:

Addendum No. 1 Dated N/A Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
Addendum No. 2 Dated N/A Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

The undersigned Contractor's address and principal place of business is \_\_\_\_\_  
3372 Capital Circle NE, Tallahassee, FL 32308

If Contractor is a corporation list the names, titles, and business addresses of its President, Secretary and Treasurer:

1. PRESIDENT Charles W. Roberts III Address 3372 Capital Circle NE, Tallahassee, FL 32308  
(Name)
2. SECRETARY Jerry Leslie Address 3372 Capital Circle NE, Tallahassee, FL 32308  
(Name)
3. TREASURER Charles W. Roberts III Address 3372 Capital Circle NE, Tallahassee, FL 32308  
(Name)

Said corporation is qualified to do business in the State of Florida.

C.W. Roberts Contracting, Inc.

Corporate Name

By:

*Charles W. Roberts III*

Charles W. Roberts III, President

(Print Name)

\*\*\*CORPORATE SEAL\*\*\*

or Qualifying Agent

CUC058766

Contractor's Registration or Certification No.

If Contractor is not a corporation, list the name(s) and business address(es) of its owner(s), joint venturers or partners:

1. \_\_\_\_\_ Address \_\_\_\_\_

(Name)

2. \_\_\_\_\_ Address \_\_\_\_\_

(Name)

3. \_\_\_\_\_ Address \_\_\_\_\_

(Name)

The said company or business entity is a sole proprietorship, partnership, or joint venture and is trading and doing business as \_\_\_\_\_ (Company Name).

By:

\_\_\_\_\_  
Name of Firm or Qualifying Agent

\_\_\_\_\_  
Contractor's Registration or Certification No.

**FLORIDA TRENCH SAFETY ACT CERTIFICATION AND DISCLOSURE STATEMENT**

The undersigned acknowledges the requirements of the Florida Trench Safety Act (Section 553.60 et. seq. Florida Statutes).

A. The Bidder further acknowledges that the Florida Trench Safety Act, (the Act) establishes the Federal excavation safety standards set forth at 29 C.F.R. Section 1926.650 Subpart P, as the interim state standard until such time as the State of Florida, through its Department of Labor and Employment Security, or any successor agency, adopts, updates or revises said interim standard. This State of Florida standard may be supplemented by special shoring requirements established by the State of Florida or any of its political subdivisions.

B. The Bidder, as Contractor, shall comply with all applicable excavation/trench safety standards.

C. The Contractor shall consider the geotechnical data available from the County, if any, the Contractor's own sources, and all other relevant information in its design of the trench safety system to be employed on the subject Project. The Contractor acknowledges sole responsibilities for the selection of the data on which it relies in designing the safety system, as well as for the system itself.

D. The amounts that the Bidder has set forth for pipe installation includes the following excavation/trench safety measures and the linear feet of trench excavated under each safety measure. These units, costs, and unit values shall be disclosed solely for the purpose of compliance with procedural requirements of the Act. No adjustment to the Contract time or price shall be made for any difference in the actual number of linear feet of trench excavation, except as may be otherwise provided in these Contract Documents.

Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
A. <u>102</u>	<u>LF</u>	<u>904</u>	<u>\$ 1.00</u>	<u>\$ 904.00</u>
B.				
C.				
D.				
E.				
F.				

For Information Only, Not for Payment Purposes \$ 904.00

Bidder may use additional sheets as necessary to extend this form.

Failure to complete the above may result in the bid being declared non-responsive.

E. The amount disclosed as the cost of compliance with the applicable trench safety requirements does not constitute the extent of the Contractor's obligation to comply with said standards. The Contractor shall extend additional sums at no additional cost to the County, if necessary, to comply with the Act (except as may otherwise be provided).

F. Acceptance of the bid to which this certification and disclosure applies in no way represents that the County or its representative has evaluated and thereby determined that the above costs are adequate to comply with the applicable trench safety requirements nor does it in any way relieve the Contractor of its sole responsibility to comply with the applicable trench safety requirements.

C.W. Roberts Contracting, Inc.

Company

Charles W. Roberts III - President



Name and Title

Address:

3372 Capital Circle NE

Tallahassee, FL 32308

Telephone: ( 850 ) 385.5060

# THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A310

## Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we C.W. Roberts Contracting, Inc.  
(Here insert full name and address or legal title of Contractor)

3372 Capital Circle NE, Tallahassee, FL 32308

as Principal, hereinafter called the Principal, and

Western Surety Company

(Here insert full name and address or legal title of Surety)

P.O. Box 5077, Sioux Falls, SD

a corporation duly organized under the laws of the State of Florida  
as Surety, hereinafter called the Surety, are held and firmly bound unto

Lake County Board of County Commissioners

(Here insert full name and address or legal title of Owner)

315 W. Main Street, Tavares, FL 32778

as Obligee, hereinafter called the Obligee, in the sum of

5% of Bid

Dollars (\$N/A) ),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for

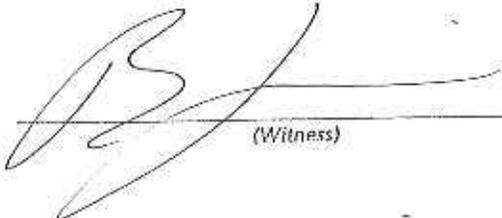
(Here insert full name, address and description of project)

CR-450 Paved Shoulders

Project No. 2013-02, Bid No. 13-0022

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 7th day of February, 2013 AM

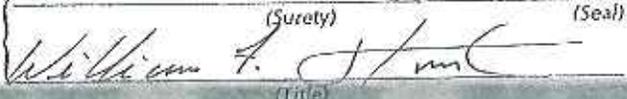
  
(Witness)

Alice S. Daniels  
(Witness)  
Alice S. Daniels

C.W. Roberts Contracting, Inc.

  
(Principal) (Seal)

(Title)  
Charles W. Roberts, President  
Western Surety Company

  
(Surety) (Seal)

(Title)  
William F. Stoutan  
Attorney in Fact  
Florida Resident Agent - Lic.# A255912

# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**William F Stoutamire, Individually**

of Blountstown, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 11th day of October, 2012.

WESTERN SURETY COMPANY

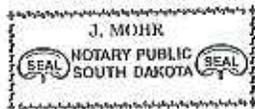


Paul T. Bruflat  
Paul T. Bruflat, Vice President

State of South Dakota }  
County of Minnehaha } SS

On this 11th day of October, 2012, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires  
June 23, 2015



J. Mohr  
J. Mohr, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereto subscribed my name and affixed the seal of the said corporation this 7<sup>th</sup> day of FEBRUARY, 2013.



WESTERN SURETY COMPANY

L. Nelson  
L. Nelson, Assistant Secretary



# Florida Department of Transportation

RICK SCOTT  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.  
SECRETARY

February 22, 2012

ROBERTS, C.W., CONTRACTING, INC.  
3377 CAPITAL CIR NE  
TALLAHASSEE, FLORIDA 32308



RE: CERTIFICATE OF QUALIFICATION

Dear Sir/Madam:

The Department of Transportation has qualified your company for the amount and the type of work indicated below. Unless your company is notified otherwise, this rating will expire 3/30/2013. However, the new application is due 1/31/2013.

In accordance with S.337.14 (1) F.S. your next application must be filed within (4) months of the ending date of the applicant's audited annual financial statements and, if applicable, the audited interim financial statements. Section 337.14 (4) F.S. provides that your certificate will be valid for 18 months after your financial statement date. This gives a two month period to allow you to bid on jobs as we process your new application for qualification. To remain qualified with the Department, a new application must be submitted subsequent to any significant change in the financial position or the structure of your firm as described in Section 14-22.005(3), Florida Administrative Code.

Your company's maximum capacity rating has been established. To access it, please log into the Contractor Prequalification Application System via the following link:  
<https://www3.dot.state.fl.us/ContractorPreQualification/>

Once logged in, select "View" for the most recently approved application, and then click the "Manage" and "Application Summary" tabs.

**FDOT APPROVED WORK CLASSES:**

DEBRIS REMOVAL (EMERGENCY), DRAINAGE, FENCING, FLEXIBLE PAVING, GRADING, GRASSING, SEEDING AND SODDING, GUARDRAIL, HOT PLANT-MIXED BITUM. COURSES, INTERMEDIATE BRIDGES, LANDSCAPING, MINOR BRIDGES, PORTLAND CEMENT CONCRETE ROADWAY PAVING

**FDOT APPROVED SPECIALITY CLASSES OF WORK:**

NONE

You may apply, in writing, for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.004(3), Florida Administrative Code. Please be advised if certification in additional classes of work is desired, documentation is needed to show that your company has done such work with your own forces and equipment or that experience was gained with another contractor and that you have the necessary equipment for each additional class of work requested.

Sincerely,

Juanita Moore, Manager  
Contracts Administration Office

JMM:1



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD  
1940 NORTH MONROE STREET  
TALLAHASSEE FL 32399-0783

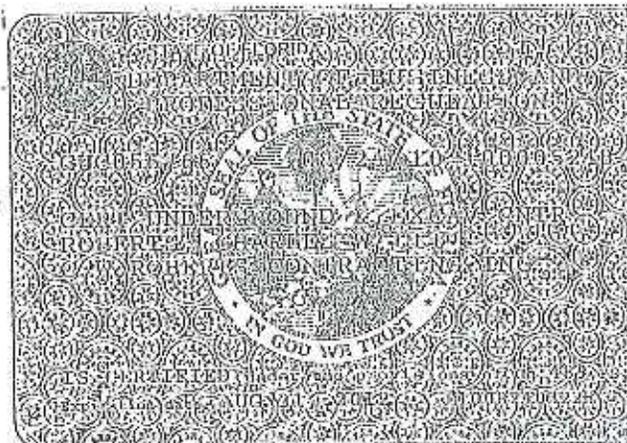
(850) 487-1395

ROBERTS, CHARLES W III  
C W ROBERTS CONTRACTING INC  
3372 CAPITAL CIRCLE NE  
TALLAHASSEE FL 32308

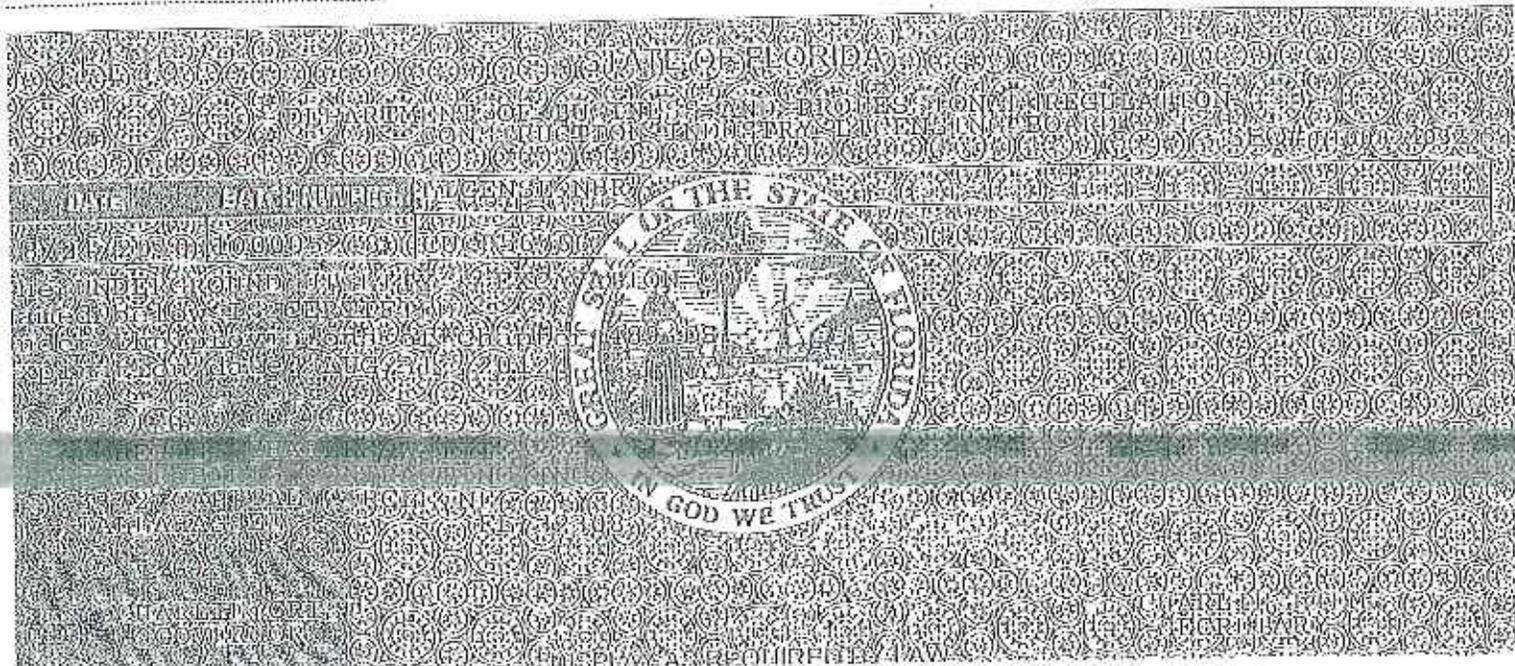
Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto [www.myfloridalicense.com](http://www.myfloridalicense.com). There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE



### Governmental References

- Florida Department of Transportation  
Haydon Burns Building  
Tallahassee, Florida 32399-0450  
Mr. Steve Benak  
District Construction Engineer  
850-638-0250
- Liberty County Board of Commissioners  
P.O. Box 399  
Bristol, Florida 32321  
Mr. Robert Hill  
Clerk of Court  
850-643-2215
- Calhoun County Board of Commissioners  
20859 Central Avenue  
Blountstown, Florida 32424  
Mr. Sonny O'Bryan  
Director  
850-674-3520

### Credit References

#### Banking:

Superior Bank (formerly The Bank)  
P.O. Box 550  
Bristol, Florida 32321

Ms. Elaine Barber  
Account Representative  
850-643-2221

#### Insurance

Megriff, Scibels & Williams, Inc.  
P.O. Box 10265  
Birmingham, AL 35202

(205) 252-9871

### Trade References

- Eli Roberts & Sons Oil Company  
2195 Lake Bradford Road  
Tallahassee, Florida 32310  
Mr. Charlie Roberts  
President  
850-576-3145
- Ring Power  
32000 Blue Star Hwy  
Midway, FL 32343  
Mr. Johnny Haire  
Sales Rep  
(850)562-2121 Fax (904)448-4021
- Capital Truck  
4740 Blountstown Hwy  
Tallahassee, FL  
Mr. Chris Adkinson  
Sales Rep  
(850)575-8655 Fax 575-8655
- Ergon  
P.O. Box 1569  
Jackson, MI 39215-1569  
601-933-3000



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/30/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER  
MCGRIFF, SEIBEL & WILLIAMS, INC.  
P.O. Box 10265  
Birmingham, AL 35202

CONTACT NAME: \_\_\_\_\_  
PHONE (A/C, Ho, Ext): 800-475-2211 FAX (A/C, Ho): \_\_\_\_\_  
E-MAIL ADDRESS: \_\_\_\_\_

INSURED  
C.W. Roberts Contracting, Inc.  
P.O. Box 188  
Hosford, FL 32334

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Liberty Mutual Insurance Company	23143
INSURER B: Liberty Mutual Fire Insurance Company	23035
INSURER C: Navigators Insurance Company	42307
INSURER D:	
INSURER E:	
INSURER F:	

**COVERAGES**

CERTIFICATE NUMBER: 92XN993H

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURER	TYPE OF INSURANCE	AGG. INSH	SUOR. WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			TB2651290113021	10/01/2011	10/01/2012	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
GENL AGGREGATE LIMIT APPLIES PER:								
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC						PERSONAL & A/W INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMPROP AGG	\$ 2,000,000
								\$
B	AUTOMOBILE LIABILITY			AS2651290113031	10/01/2011	10/01/2012	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
	<input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS						BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
							Comp \$2,500	Coif \$2,500
C	UMBRELLA LIAB			TANEXC094572IC	10/01/2011	10/01/2012	EACH OCCURRENCE	\$ 5,000,000
	<input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE						AGGREGATE	\$ 5,000,000
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WA788D290113011	10/01/2011	10/01/2012	<input checked="" type="checkbox"/> WC STAT- TORY LIMITS <input type="checkbox"/> OTH- ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in MI) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				E.I. EACH ACCIDENT	\$ 1,000,000
							E.I. DISEASE - FA EMPLOYEE	\$ 1,000,000
							E.I. DISEASE - POLICY LIMIT	\$ 1,000,000
								\$
								\$
								\$
								\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

Evidence of Insurance

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE  
*Paul B. Hosick*

MAJOR PROJECTS COMPLETED

PROJECT LOCATION	PROJECT DESCRIPTION	WORK ACTIVITIES INVOLVED	PROJECT VALUE	CONSTRUCTION TIME PERIOD	CONTACT INFORMATION	COMMENTS
Wagon County Airport, Durham	Rehabilitate Runway 5-23	Mill and Resurface Runway 5-23	\$1,800,000.00	Mid 2011	Mr. Doug Norman P.E. 427-282-1918	No significant Change Orders and No Claims
Lincoln International Airport	Mill and Overlay Runway 5-21	Mill and Overlay Runway 5-21, Second Runway Safety Area, overlay Runway K	\$2,000,000.00	Begin Jan 2010	Frank Pruitt 478-525-2855	No significant Change Orders and No Claims
Orlando International Airport	Installation of Runway Status Light System in 2 runways	Installation of 24,000 LF of Obstruction Light Course and installation of 28,000 Runway K	\$1,600,000.00	Begin Oct 09, on going	Mr. Doug Norman P.E. 407-280-1918	No significant Change Orders and No Claims
Wagner County Airport	Re-align existing Runways and Parallel Taxiways	The project consist of relocation of the existing Runway and portion of existing Taxiways then Re-Construction of the Runway and Taxiway in a new alignment, including Re-construction of an existing Parallel Utility Runways, Storm Drain Installation, Heavy Equipment, Snow Plow, Lighting, signage, and Marking	\$2,400,000.00	Completed Dec 2009	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Orange County Airport (Design Build)	Wagon and Stevenson Taxiways A and A, Construct Taxiway E-1	This consisted of widening existing taxiway A and C and strengthening in existing portions of existing Taxiways A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ				
Wagon County Airport	Runway Safety Area Improvements	Clearing and Grading, 11 existing drainage canals, install Large Storm Ponds to receive canal, Swallow Reservoir pond, install Bird nesting over A Area Pond	\$1,200,000.00	Completed in 2011	Mr. Doug Norman P.E. 407-282-1918	No significant Change Orders and No Claims
Wagon County Airport	Rehabilitate Existing Concrete Parking apron	This project involved removal of existing asphalt concrete pavement and replacement with 4" thick concrete and 12" PCC in the Commercial Terminal Area, Designated for Airbus A320 Class aircraft.	\$2,400,000.00	Completed in 2008	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Second Runway 13,200 associated taxiway	This was a 300 ft extension of Runway 13,200 associated taxiway and grading for a 100 ft design area of the end of the Runway.	\$2,000,000.00	Completed in 2004	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Taxiway 2, U, and Parking Apron	Reconstruct and Strengthen Taxiway 2, Taxiway U, and Parking Apron. Relocation of existing storm drainage, lighting and marking.	\$1,700,000.00	Completed in 2004	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Water Gearing and Drains for Fairs South Terminal Complex	This project consisted of Water Gearing an approximately 200 Acre site, 800,000 CF of Backwater and Embankment, Installation of 12 30" Storm Drainage Pipes, Construction of a 20' x 12' Box Culvert (approx. 2000 LF long), Construction of Two Large Water Control Structures, A total of 14,000 CF of Concrete was placed, Resurfacing of the Storm Ponds, Relocation of a 20' x 20' road.	\$1,915,000.00	Completed in 1999	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Phase 1 North Orlando Taxiway	In fill existing apron, demolished part of Airside 4, excavate 35 Acre runway, storm, Swallow storm drainage, construction of Base, apron pavement, marking, lighting and signage.	\$9,125,000.00	Oct 2008 thru March 2007	Mr. Larry Dale, Director of Aviation 407-282-1918	No significant Change Orders and No Claims
Wagon County Airport	Terminal Apron Expansion	Construction of a PCC Apron Parking Area, 80,000 sq ft road and parking area for cargo planes, construction of a Cast in place concrete low curbed construction of an all water separator in the storm water system, construction of storm water conveyance system and holding ponds, machinery to existing utility systems serving the FAA control tower and maintenance building to existing telephony system.	\$7,800,000.00	Completed in 2008	Mr. Larry Dale, Director of Aviation 407-282-1918	No significant Change Orders and No Claims
Wagon County Airport	Export Runway 5-23, 21, and associated parallel taxiway	This was a 1,000 foot extension of the Runway and parallel Taxiway. It included heavy clearing, closing of two runways, extensive storm water piping and retention ponds, Repaving, lighting and marking of both the extension and existing apron.	\$12,000,000.00	Completed in 2008	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Export Runway 14-22 and Parallel Taxiway	This project consist of 1100 LF to the existing Runway and Taxiway, portions of a structural work placed on each end. A Right-of-Way (ROW) parallel was constructed at the 14 end. Utility lines were relocated, storm Drainage, lighting, and grade relocated.	\$4,200,000.00	Completed in 2008	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport	Taxiway C Construction	Construction of a 2000 LF taxiway parallel to Runway 14-22, involved Grading, Storm Drainage, Base Construction, asphalt Pavement, lighting and marking.	\$1,400,000.00	Completed in 2007	Mr. Scott Bracy P.E. 841-342-8321	No significant Change Orders and No Claims
Wagon County Airport, Florida	Construction of an Interchange with Florida's Turnpike and Krome Park Road	The project of separating an interchange with Florida's Turnpike and Krome Park Road, involved earthwork, Approx 200,000 CF of concrete, construction of 10 Bridges over the Turnpike, Significant Maintenance of Traffic, Relocation of Base Construction, Pavement Marking, Storm Drainage, and Signage	\$14,000,000.00	2003 thru April 2007	Mr. Mark Coates, Project Engineer 407-282-1918	No significant Change Orders and No Claims

MAJOR PROJECTS COMPLETED

DATE	PROJECT DESCRIPTION	WORK ACTIVITIES INVOLVED	PROJECT VALUE	CONSTRUCTION TIME PERIOD	CONTACT / NEGOTIATION COMMENTS
04/01/00	PROJECT DESCRIPTION Convert Toll lanes to Express City	Work was for separate project at four lane lanes, SR 50 and SR 52, SR 50 and SR 52, US 27 and TX 99 and US 27 and TX 99. They all involve either adding a lane or converting existing lanes to Express City. Work required include WOT, Pavement widening, Toll Plaza modifications, New striping and Interchange striping.	Project value varied from 1 million to 2 million	2000 thru 2006	See Change Order TPV Encheer
04/01/00	Four Lane CR 445 and CR 446	This project consisted of widening 2 lane roadway to a 4 lane urban section. Activities include: Right of Way, Installation of Storm Drains, Utilities, curbs, sidewalks, signs, retention ponds, Intersecting, drainage, medians and signals.	\$1,850,000.00	Scheduled for Construction April 2008	Robert Ruck, P. E. 407-481-1594 No change, No major changes
04/01/00	Vegetation Project, four lane CR 226 and CR 220	This consisted of two major roadways in Clay County, FL. CR 209 involved demolishing a two lane roadway according to existing plans or section CR 226 was an existing 2 lane road and was converted to a urban 4 lane roadway. Both roads involved installation of Subbase and drainage systems, retention ponds, storm structures, mulched areas, signalized intersections, curbs, drainage, medians and signs.	\$3,175,000.00	Completed Dec 2009	Approved Secretary, PE 437-444-0311 No change, No major changes
04/01/00	US 27 and SR 523 Interchange	Total reconstruction of the SR 523 Interchange, interchange, drainage and reconstruction of bridges over US 27 on SR 523. Reconfiguration of drainage, addition of travel lanes on SR 523, reconstruction of median barriers, three travel lanes, median ponds, storm drainage, retaining and standard drainage.	\$10,800,000.00	Completed in 1997	Completed for FDOT No change, no change orders
04/01/00	Four Lane SR 50	Construction of the FDOT, signed on existing 2 lane rural to a 4 lane urban roadway, involved: Right of Way, Curbs, Signs and pavement, storm drainage, drainage protection, retaining and signs.	\$5,200,000.00	Completed in 1994	Completed for FDOT Frank D. Carl, District 5 No change, no change orders
04/01/00	CR 512 Phase 1	Construction of existing 2 lane rural section to a 4 lane urban section, construction of drainage ponds, arched storm drainage system, curbs, sidewalks, medians, drainage.	\$7,800,000.00	Completed in 1998	Approved for section Mr. County Public Works No change, no change orders
04/01/00	Handicap roadway	The project consisted of a new 4 lane roadway, consisting of SR 50 at the south and US 27 at the north. Activities included: Heavy earth moving, curbs, CR 404 underpass, Retention pond concrete, Storm Drains, CR 404, storm water, sidewalks, medians and signals.	\$3,000,000.00	Completed in 1998	Mr. Jim Silverman PE Lake County Engineer No Change, No Change orders
04/01/00	Four Lane Dean Road	Construction of a four lane urban road, involved: Right of Way, drainage, bases and pavements, curbs, sidewalks, storm drainage, utility relocation, pavement treatment and drainage.	\$2,500,000.00	Completed in 1998	Mike Wittman, Charge County Road Dept. 407-628-7581 No Change, no change orders
04/01/00	Urban Young Parkway Phase I	Construction of a new 4 lane roadway, Urban Section, included a bridge over The Florida Turnpike, Heavy Grading and Grubbing, Heavy grading base and pavements, guardrails, curbs, arched storm drainage, utility relocation, drainage, drainage, drainage, drainage and drainage.	\$9,000,000.00	Completed in 1998	Mike Wittman, Charge County Road Dept. 407-628-7581 No Change, no change orders
04/01/00	Eastern Highway Corridor 403 (1/16)	Construction of a new road system, a two lane roadway, on the eastern side of Orange, Citrus and Grubbing, Drainage of swamps, Heavy Grading, Storm Drains, 3,400 sq. ft. drainage, drainage, drainage, drainage, drainage, drainage and drainage.	\$1,600,000.00	Completed in 1998	Completed for Orlando Change County No Change, no change orders
04/01/00	Four Lane US 302, From the Board County Line to the Orange County to T. Miami	The project consisted of converting an existing 2 lane roadway to a 4 lane roadway, involved: Right of Way, Curbs, Signs and pavement, storm drainage, drainage protection, retaining and signs.	\$10,850,000.00	Nov 2004 thru February 2006	Mr. Frank C. O'Connell, District 5 Construction engineer FDOT District 5 352-240-5000 No significant Change Orders and No Change
04/01/00	Four Lane CR 466A	The project consisted of widening 2 lane rural roadway to a 4 lane urban roadway, involved: Right of Way, Curbs, Signs and pavement, storm drainage, drainage protection, retaining and signs.	\$7,200,000.00	Completed in 2007	Mr. Tom McDonough, Construction manager 352-752-5012 No Change, No Change Orders
04/01/00	Site development and construction of a Parking Lot	The project consisted of widening 2 lane rural roadway to a 4 lane urban roadway, involved: Right of Way, Curbs, Signs and pavement, storm drainage, drainage protection, retaining and signs.	\$180,000.00	Completed Oct 2008	Mr. Sean Brady P.E. 541-342-0221 No Change, No Change Orders
04/01/00	Final site development and construction of a Parking Lot	This project involved demolition of an existing facility, installation of Utilities, storm water system, retention ponds, Paving, Landscaping, Retention and Storm and Flood Drains to be used as a receiving site for rainfall on site in Orange International Airport.	\$320,000.00	Completed in 2005	Mr. J. T. Kiser, Assoc. Inc. Project Engineer 407-588-1122 No Change, No Change Orders



**DIVISION X**

**AGREEMENT**

THIS AGREEMENT, made and entered into by and between the Board of County Commissioners of Lake County, a political subdivision of the State of Florida, hereinafter designated the COUNTY, and C.W. Roberts Contracting, Inc. authorized to do business in the State of Florida, with principal place of business located at 3372 Capital Circle NE, Tallahassee, FL 32308 hereinafter designated the CONTRACTOR,

**WITNESSETH:**

That for and in consideration of the sum of Two Million Four Hundred Eighty Eight Thousand Fifty One and 38/100 Dollars (\$2,488,051.38) to be paid by the COUNTY to the CONTRACTOR as herein provided, and in further consideration of the mutual covenants and promises to be kept and performed by and between the parties hereto, it is agreed as follows:

A. THE CONTRACTOR AGREES:

1. To furnish all services, labor, materials and equipment necessary for the complete performance, in a thorough and workmanlike manner, of the work contemplated under CR-450 Paved Shoulders, Project No. 2013-02, Bid No. 13-0022, FPN: 427480-1-58-01, FAN: 8886-126-A in Lake County, Florida, to comply with the applicable standards, and to perform all work in strict accordance with the terms of the Contract Documents, defined in Section D of this Agreement.

2. To commence work under this contract with an adequate force and equipment within thirty (~~--30--~~) consecutive calendar days after receipt of written notice from the COUNTY to proceed hereunder, and to fully complete all necessary work under the same within not more than One Hundred Ninety ( 190 ) consecutive calendar days. It is understood and agreed that the date on which the consecutive calendar days will begin to be charged to the project shall be the thirtieth (30th) calendar day from the date of

receipt of the Notice to Proceed. Time of performance and completion of the work of this contract is of the essence.

3. That upon failure to complete all work within the time provided for above, the Contractor shall pay to the County such sums as shall be determined in accordance with the Liquidated Damages provision of this contract, and the payment of such sum shall be secured as provided for therein.

4. That the CONTRACTOR and each subcontractor shall furnish to the COUNTY, upon demand, a certified copy of the payroll covering work under this contract, together with such other information as may be required by the COUNTY to ensure compliance with the law and the provisions of this contract.

5. To procure and maintain all insurance as required by the Instructions to Bidders.

6. To procure and maintain all permits and licenses which may be required by law in connection with the prosecution of the work contemplated hereunder, except for those permits obtained by the County as expressly set forth in Division P of the Contract Documents.

7. To permit any representative(s) of the COUNTY, at all reasonable times, to inspect the work in progress or any of the materials used or to be used in connection therewith, whether such work is located on or off the project site, and to furnish promptly, without additional charge, all reasonable facilities, labor and materials deemed necessary by the County's Engineer, for the conducting of such inspections and tests as he may require.

8. Unless otherwise provided in the special provisions, conditions and specifications, to assume liability for all damage to work under construction or completed, whether from fire, water, winds, vandalism, or other causes, until final completion and

acceptance by the County and notwithstanding the fact that partial payments may have been made during construction.

9. No subcontract or transfer of contract shall in any case release either the Contractor or his surety of any liability under the contract and bonds. The County reserves the right to reject any subcontractors or equipment.

10. The Contractor shall indemnify, pay the cost of defense, including attorneys' fees, and hold harmless the County from all suits, actions or claims of any character brought on account of any injuries or damages received or sustained by any person, persons or property by or from the said Contractor; or by, or in consequence of any neglect in safeguarding the work; or through the use of unacceptable materials in the construction of improvements; or by, or on account of any act or omission, neglect or misconduct of the said Contractor; or by, or on account of, any claim or amounts recovered for any infringement of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Workers' Compensation Law" or of any other laws, by-laws, ordinance, order or decree, including any joint negligence of the County, except only such injury or damage as shall negligence of the County, except only such injury or damage as shall have been occasioned by the sole negligence of the County; and so much of the money due the said Contractor under and by virtue of his Contract as shall be considered necessary, may be retained by the County or, in case no money is due, his surety shall be held until such suits, actions or claims for injuries or damages shall have been settled and suitable evidence to that effect furnished to the County. The County and the Contractor agree the first \$100.00 of the Contract amount paid by the County to the Contractor shall be given as separate consideration for this indemnification, and any other indemnification of the County by the Contractor provided for within the Contract Documents, the sufficiency of such separate consideration being acknowledged by the Contractor by the Contractor's execution of the Agreement.

The Contractor shall guarantee the payment of all just claims for materials, supplies, tools, labor or other just claims against him or any subcontractor in connection with this Contract; and his bonds will not be released by final acceptance and payment by the County unless all such claims are paid or released.

B. THE COUNTY AGREES:

To pay to the Contractor the contract price hereinabove specified, as follows:

If progress satisfactory to the County is being made by the Contractor, the Contractor will receive partial payments, not more frequently than once a month, on this contract as the work progresses, based upon estimates of the amount of work done less payments previously made. In each case 10% of each progress payment shall be withheld as retainage until 50% completion of the project. After 50% completion of the project, the County shall withhold 5% of each subsequent progress payment. Payment of retainage shall be as set forth in Section 218.735, Florida Statutes (2005). Neither progress payment nor partial or entire use or occupancy of the project by the County shall constitute an acceptance of work not in accordance with the Contract Documents.

The County, prior to making of any payment, may require the Contractor to furnish a certificate or other evidence showing the amount of work done or completed at that time.

C. IT IS MUTUALLY AGREED:

1. That no change, alteration, amendment, payment for extra work or agreement to pay for same, shall be binding upon the County until its Engineer has approved the same, and until the same shall be properly approved in accordance with Board policy.

2. That the Engineer shall represent the County insofar as prosecution of the work, and interpretation of the plans and specifications are concerned, and that no

payments shall be made by the County under this contract except upon the certificate of the Engineer.

3. This Contract shall be interpreted under and its performance governed by the laws of the State of Florida.

4. The failure of the County to enforce at any time or for any period of time any one or more of the provisions of the Contract Documents shall not be construed to be and shall not be a waiver of any such provision or provisions or of its rights thereafter to enforce each and every such provision.

5. Each of the parties hereto agrees and represents that this Contract comprises the full and entire agreement between the parties affecting the work contemplated, and that no other agreement or understanding of any nature concerning the same has been entered into or will be recognized, and that all negotiations, acts, work performed, or payments made prior to execution hereof shall be deemed merged into, integrated and superseded by this Contract.

6. Should any provision of this Contract be determined by a court to be unenforceable, such determination shall not affect the validity or enforceability of any section or part thereof.

D. The following named Documents, which shall be referred to as the "Contract Documents," are by reference hereby incorporated into this contract:

DIVISION	A	Instructions to Bidders
DIVISION	B	General Conditions
DIVISION	C	Federal Requirements
DIVISION	P	Permits
DIVISION	W	Proposal and Bid
DIVISION	Y	Performance Bond Payment Bond

DIVISION Z Affidavit by General Contractor

APPENDIX A1 "Sample Change Order"

ADDENDUM #1 through #2

Construction Plans prepared by the Engineer of record for this project.

E. Notices.

1. All notices, demands, or other writings required to be given or made or sent in this Contract, or which may be given or made or sent, by either party to the other, shall be deemed to have been fully given or made or sent when in writing and addressed as follows:

County  
County Manager  
P. O. Box 7800  
315 West Main Street  
Tavares, Florida 32778-7800

Contractor  
Charles W. Roberts, III  
C.W. Roberts Contracting, Inc.  
3372 Capital Circle NE  
Tallahassee, FL 32308

CC: Public Works Director  
437 Ardice Avenue  
Eustis, FL 32726

2. All notices required, or which may be given hereunder, shall be considered properly given if (a) personally delivered, (b) sent by certified United States mail, return receipt requested, or (c) sent by Federal Express or other equivalent overnight letter delivery company.

3. The effective date of such notices shall be the date personally delivered, or if sent by mail, the date of the postmark, or if sent by overnight letter delivery company, the date the notice was picked up by the overnight letter delivery company.

4. Parties may designate other parties or addresses to which notice shall be sent by notifying, in writing, the other party in a manner designed for the filing of notice hereunder.

F. This contract shall be binding upon, and shall insure to the benefit of the executors, administrators, heirs, successors and assigns of the Contractor.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed on the day and year as written.

LAKE COUNTY acting by and through its Board of County Commissioners

Leslie Campione  
Leslie Campione, Chairman

This 14<sup>th</sup> day of May, 2013.

ATTEST:

Neil Kelly  
Neil Kelly, Clerk of the Board of County Commissioners of Lake County, Florida

Approved as to form and legality by  
County Attorney for Lake County, Florida  
Lake County Administration Building  
315 West Main Street  
Tavares, Florida 32778  
(352) 343-9787

Sanford A. Minkoff  
Sanford A. Minkoff  
County Attorney

C.W. ROBERTS CONTRACTING, INC.

Charles W. Roberts III  
Charles W. Roberts, III, President

This 27<sup>th</sup> day of March, 2013.

ATTEST: Treva McKenzie

Print Name: Treva McKenzie  
Title: Asst. Secretary  
\*\*\*CORPORATE SEAL\*\*\*

OR

WITNESSES:

\_\_\_\_\_

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

\_\_\_\_\_

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

Business Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contractor's Reg. or Cert. No.

DIVISION Y

BONDS

BOND NO. \_\_\_\_\_

Public Works



PERFORMANCE BOND

**KNOW ALL MEN BY THESE PRESENTS:** that We,

Contractor C.W.Roberts Contracting, Inc.  
Contractor Address 3372 Capital Circle NE  
Contractor Address 2 Tallahassee, FL 32308  
Contractor Telephone 850-385-5060

(hereinafter called the "Principal"), whose principal business address and telephone number is as stated above; and

Surety See Addendum 1-A  
Surety Address \_\_\_\_\_  
Surety Address 2 \_\_\_\_\_  
Surety Phone \_\_\_\_\_

(hereinafter called the "Surety"), whose principal address and telephone number is as stated above, a surety insurer chartered and existing under the laws of the State of See Addendum 1-A and authorized to do business in the State of Florida;

are held and firmly bound unto Lake County Board of County Commissioners, Lake County, Florida (hereinafter called the "Obligee"), whose principal address is P.O. Box 7800, Tavares, Florida 32778, and whose principal telephone number is (352) 483-9000, in the sum of

Two million four hundred eighty-eight thousand fifty-one dollars & 38/100  
( \$ 2,488,051.38 )

for payment of which we bind ourselves, our heirs, our legal representatives, our successors and our assignees, jointly and severally.

**WHEREAS**, Principal has entered into a contract with Obligee for CR-450 Paved Shoulders, Project No. 2013-02, Bid No. 13-0022, FPN: 427480-1-58-01, FAN: 8886-126-A in accordance with drawings and specifications, which contract is incorporated herein by reference and made a part hereof, and is referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the Contract at the times and in the manner prescribed in the Contract;

Y-1

INSTRUMENT #2013051921  
OR BK 4319 PG 1738 - 1751 (14 PGS)  
DATE: 5/7/2013 2:58:02 PM  
NEIL KELLY, CLERK OF THE CIRCUIT COURT  
LAKE COUNTY  
RECORDING FEES \$120.50

BOND NO. \_\_\_\_\_

2. Pays Obligeé any and all losses, damages, costs and attorneys' fees, including appellate proceedings, that Obligeé sustains because of any default by Principal under the Contract, including, but not limited to, all delay damages, whether liquidated or actual, incurred by Obligeé;
3. Performs the guarantee of all work and materials furnished under the Contract for the time specified in the Contract; and
4. Promptly make all payments to all persons defined in Section 713.01, Florida Statutes, whose claims derive directly or indirectly from the prosecution of the work provided for in the Contract;

then this bond shall be void; otherwise it remains in full force and effect.

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

The Surety, for value received, hereby stipulates and agrees that no changes, extensions of time, alterations or additions to the terms of the Contract or other work to be performed hereunder, or the specifications referred to therein shall in any way affect its obligation under this bond, and it does hereby waive notice of any such changes, extensions of time, alterations or additions to the terms of the Contract or to work or to the specifications.

This instrument shall be construed in all respects as a statutory bond. It is expressly understood the time provisions and statute of limitation under Section 255.05, Florida Statutes, shall apply to this bond.

By execution of this bond, the Surety acknowledges that it has read the Surety qualifications and obligations imposed by the construction contract and hereby satisfies those conditions.

**IN WITNESS WHEREOF**, the above bounded parties have executed this instrument this 27th day of March, 2013, the name of each party being affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

BOND NO. \_\_\_\_\_

Signed, sealed and delivered  
in the presence of:

[Signature]  
Witness as to Principal  
[Signature]  
Witness as to Principal

PRINCIPAL:

C.W. Roberts Contracting, Inc.  
(Company Name)  
By: [Signature]  
(Authorized Signature)  
Charles W. Roberts III  
(Printed Name)  
President  
(Title)  
3372 Capital Circle NE  
Tallahassee, FL 32308  
(Business Address)

STATE OF Florida  
COUNTY OF Leon

The forgoing instrument was acknowledged before me  
this March 27, 2013 by Charles W. Roberts III  
President of \_\_\_\_\_  
C.W. Roberts Contracting, Inc., a \_\_\_\_\_ Florida

Corporation, on behalf of the Corporation. He/She is personally known to me or has  
produced N/A as identification and who  
did/did not take an oath.



NOTARY: [Signature]  
Print Name: Treva McKenzie  
Commission Number: EE025730  
My Commission Expires: 11.24.13

N/A  
Witness as to Surety  
N/A  
Witness as to Surety

By: \_\_\_\_\_  
(Authorized Signature)  
\_\_\_\_\_  
(Printed Name)  
\_\_\_\_\_  
(Title)  
\_\_\_\_\_  
(Business Address)

Alice Daniels OR  
Witness as Attorney In Fact

Alice Daniels  
Witness as Attorney In Fact

William F. Stoutamire  
As Attorney In Fact (Attach Power of Attorney)

William F. Stoutamire  
(Printed Name)

P.O. Box 360  
Blountstown, FL 32424

(Business Address)

850-674-5974

(Telephone Number)

FLORIDA RESIDENT AGENT  
LIC. #: A255913

STATE OF Florida  
COUNTY OF Calhoun

The forgoing instrument was acknowledged before me  
this March 27, 2013 by William F. Stoutamire  
of \_\_\_\_\_  
Stoutamire Insurance, a Florida

Corporation, on behalf of the Corporation. He/She is personally known to me or has  
produced N/A as identification and who  
did/did not take an oath.



NOTARY: Alice Daniels  
Print Name: Alice Daniels  
Commission Number: DD871828  
My Commission Expires: May 20, 2013

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

4946002

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY  
BOSTON, MASSACHUSETTS  
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint WILLIAM F. STOUTAMIRE, ALL OF THE CITY OF BLOUNTSTOWN, STATE OF FLORIDA

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding FIFTY MILLION AND 00/100 DOLLARS (\$ 50,000,000.00 ) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 25th day of October 2011

LIBERTY MUTUAL INSURANCE COMPANY

By David M. Carey  
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss  
COUNTY OF MONTGOMERY

On this 25th day of October 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



By Teresa Pastella  
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 27th day of March 2013.

By Gregory W. Davonport  
Gregory W. Davonport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-800-851-1234

# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**William F Stoutamire, Individually**

of Blountstown, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 11th day of October, 2012.

WESTERN SURETY COMPANY



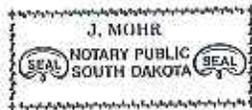
Paul T. Bruffat  
Paul T. Bruffat, Vice President

State of South Dakota } ss  
County of Minnehaha }

On this 11th day of October, 2012, before me personally came Paul T. Bruffat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2015



J. Mohr  
J. Mohr, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 27<sup>th</sup> day of MARCH, 2013.



WESTERN SURETY COMPANY

L. Nelson  
L. Nelson, Assistant Secretary

BOND NO. \_\_\_\_\_

**PAYMENT BOND**

**KNOW ALL MEN BY THESE PRESENTS:** that We,

Contractor C.W. Roberts Contracting, Inc.  
Contractor Address 3372 Capital Circle NE  
Contractor Address 2 Tallahassee, FL 32308  
Contractor Telephone 850-385-5060

(hereinafter called the "Principal"), whose principal business address and telephone number is as stated above; and

Surety See Addendum 1-A  
Surety Address \_\_\_\_\_  
Surety Address 2 \_\_\_\_\_  
Surety Phone \_\_\_\_\_

(hereinafter called the "Surety"), whose principal address and telephone number is as stated above, a surety insurer chartered and existing under the laws of the State of See Addendum 1-A and authorized to do business in the State of Florida;

are held and firmly bound unto Lake County Board of County Commissioners, Lake County, Florida (hereinafter called the "Obligee"), whose principal address is P.O. Box 7800, Tavares, Florida 32778, and whose principal telephone number is (352) 483-9000, in the sum of

Two million four hundred eighty-eight thousand fifty-one dollars & 38/100  
( \$ 2,488,051.38 )

for payment of which we bind ourselves, our heirs, our legal representatives, our successors and our assignees, jointly and severally.

**WHEREAS**, Principal and Obligee have reached a mutual agreement (hereinafter referred to as the "Contract") for CR-450 Paved Shoulders, Project No. 2013-02, Bid No. 13-0022, FPN: 427480-1-58-01, FAN: 8886-126-A said Contract being made a part of this Bond by this reference.

**THE CONDITION OF THIS BOND** is that if Principal:

1. Shall promptly make payments to all claimants as defined in section 255.05(1), Florida Statutes, supplying the Principal with labor, materials or supplies, as used directly or indirectly by the Principal in the prosecution of the work provided for in the Contract; and
2. Shall pay the Obligee for all losses, damages, expenses, costs and attorneys' fees, including those resulting from appellate proceedings, that the Obligee sustains because of a default by the Principal in contravention to the Contract in regard to payment for such labor, materials, or supplies furnished to the Principal;

BOND NO. \_\_\_\_\_

then this bond shall be void; otherwise this Bond remains in full force and effect.

**BE IT FURTHER KNOWN:**

1. Any changes in or under the Contract and compliance or noncompliance with any formalities connected with the said Contract or alterations which may be made in the terms of the said Contract, or in the work to be done under it, or the giving by the Obligee of any extension of time for the performance of the said Contract, or any other forbearance on the part of the Obligee or Principal to the other, shall not in any way release the Principal and the Surety, or either of them, their heirs, personal representatives, successors or assigns from liability hereunder, notice to the Surety of any such changes, alterations, extensions or forbearance being hereby waived.

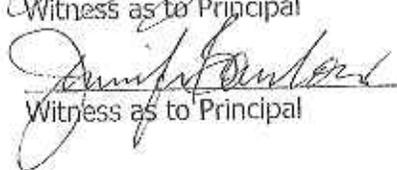
2. Certain claimants seeking the protection of this Bond must timely comply with the strict requirements set forth in Section 255.05, Florida Statutes, and as otherwise provided by law.

3. The Provisions of this bond are subject to the limitations of Section 255.05(2), Florida Statutes.

By execution of this bond, the Surety acknowledges that it has read the Surety qualifications and obligations imposed by the construction contract and hereby satisfies those conditions.

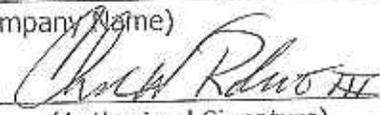
THIS BOND DATED THE 27th DAY OF March 2013 (the date of issue by the Surety or by the Surety's agent and the date of such agent's power-of-attorney).

Signed, sealed and delivered in the presence of:

  
\_\_\_\_\_  
Witness as to Principal  
  
\_\_\_\_\_  
Witness as to Principal

PRINCIPAL:

C.W. Roberts Contracting, Inc.  
(Company Name)

By:   
(Authorized Signature)

Charles W. Roberts III  
(Printed Name)

President  
(Title)

3372 Capital Circle NE  
Tallahassee, FL 32308

(Business Address)

Western Surety Company...Bond #: 58703767  
Liberty Mutual Insurance Company...Bond #: 016053271

STATE OF Florida  
COUNTY OF Leon

The forgoing instrument was acknowledged before me this March 27, 2013

by Charles W. Roberts III

of C.W. Roberts Contracting, Inc., a Florida

Corporation, on behalf of the Corporation. He/She is personally known to me or has produced as identification and who did/did not take an oath.

N/A

NOTARY: Treva Mckenzie

Print Name: Treva Mckenzie

Commission Number: EE025730

My commission expires: 11.26.13



N/A  
Witness as to Surety

N/A  
Witness as to Surety

By: \_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Business Address)

OR

Alice S. Daniels  
Witness as Attorney In Fact

Alice S. Daniels  
Witness as Attorney In Fact

William F. Stoulamire  
As Attorney In Fact (Attach Power of Attorney)

William F. Stoulamire  
(Printed Name)

P.O. Box 360  
Blountstown, FL 32424

(Business Address)  
850-674-5974

(Telephone Number)

FLORIDA RESIDENT AGENT  
LIC.#: A255913



# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**William F Stoutamire, Individually**

of Blountstown, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adapted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 11th day of October, 2012.



WESTERN SURETY COMPANY

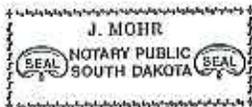
Paul T. Bruffat  
Paul T. Bruffat, Vice President

State of South Dakota }  
County of Minnehaha } ss

On this 11th day of October, 2012, before me personally came Paul T. Bruffat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2015



J. Mohr  
J. Mohr, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 27<sup>th</sup> day of MARCH, 2013.



WESTERN SURETY COMPANY

L. Nelson  
L. Nelson, Assistant Secretary

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

4946001

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY  
BOSTON, MASSACHUSETTS  
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint WILLIAM F. STOUTAMIRE, ALL OF THE CITY OF BLOUNTSTOWN, STATE OF FLORIDA.....

....., each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding FIFTY MILLION AND 00/100..... DOLLARS (\$ 50,000,000.....) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 25th day of October 2011.



LIBERTY MUTUAL INSURANCE COMPANY

By *David M. Carey*  
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss  
COUNTY OF MONTGOMERY

On this 25th day of October, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



By *Teresa Pastella*  
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 27th day of March, 2013.

*Gregory W. Davenport*  
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-800-851-8888 between 9:00 am and 4:30 pm EST on any business day.

**DIVISION Z**

**AFFIDAVIT OF RELEASE AND GUARANTEE**

COUNTY OF LAKE  
STATE OF FLORIDA

Before me, the undersigned authority, personally appeared \_\_\_\_\_ after being duly sworn, deposes and says:

All charges for labor, materials, supplies, lands, licenses and other expenses arising from the Contract, CR-450 Paved Shoulders, Project No. 2013-02, Bid No. 13-0022, FPN: 427480-1-58-01; FAN: 8886-126-A, for which the County might be sued or for which a lien or a demand against any payment bond might be filed, have been fully satisfied and paid or will be fully satisfied and paid promptly upon receipt of payment by the Contractor. The Contractor will fully indemnify, defend and save harmless the County from all demands, suits, actions, claims of lien or other charges filed or asserted against the County in connection with matters certified to herein.

On behalf of itself and its subcontractors, suppliers, materialmen, successors and assigns, the Contractor releases and waives all claims, demands, damages, costs and expenses, against the Board of County Commissioners of Lake County, relating in any way to the performance or payment of the above-numbered Contract, for the period from the date of execution of the Contract through and including the date of acceptance of Final Payment.

The Contractor is aware of contractual provisions for warranties and guarantees contained in the General Conditions of the above numbered contract, and acknowledges that those provisions shall have the same force and effect as if this Affidavit had not been executed, and understands that the County's remedies are not limited by same but are in addition to any other remedies provided by law.

This Affidavit is given in connection with the Contractors application for Final Payment.

FURTHER AFFIANT SAYETH NAUGHT.

\_\_\_\_\_  
(Affiant)

STATE OF FLORIDA)  
COUNTY OF LAKE)

The forgoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_ Corporation, on behalf of the Corporation and is personally known to me or has produced \_\_\_\_\_ as identification and who did (did not) take an oath.

NOTARY: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
COMMISSION NUMBER: \_\_\_\_\_  
My commission expires: \_\_\_\_\_

**APPENDIX A1**  
**SAMPLE CHANGE ORDER**

**Contract Change Order**

**Lake County**  
**Department of Public Works**  
**437 Ardice Avenue**  
**Eustis, FL 32726**

Date: \_\_\_\_\_  
Project No.: \_\_\_\_\_  
Location: \_\_\_\_\_  
Contract No. \_\_\_\_\_  
Change Order No. \_\_\_\_\_

To: (Contractor)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

YOU ARE HEREBY REQUESTED TO COMPLY WITH THE FOLLOWING CHANGES FOR THE AGREEMENT, PLANS AND SPECIFICATIONS

ITEM NO.	DESCRIPTION IN CHANGES - QUANTITIES, UNITS, UNIT PRICES, CHANGE IN COMPLETION SCHEDULE, ETC.	DECREASE IN CONTRACT PRICE	INCREASE IN CONTRACT PRICE
	<p align="center"><b>- PER ATTACHED EXHIBIT "A" -</b></p> <p>Change in contract price due to change order: Total Decrease Total Increase Difference Net (<b>Increase</b>)(Decrease)Contract Price</p>		

The sum of \$ \_\_\_\_\_ is hereby (added to) (deducted from) the total agreement price, and the total adjusted agreement price to date thereby is \$ \_\_\_\_\_.

This document shall become an amendment to the agreement and all other provisions of the \_\_\_\_\_

Recommended by: \_\_\_\_\_

Date: \_\_\_\_\_

**Roadway Soil Survey  
CR 450 Widening  
Marion County Line to Wilson Parish Road  
Lake County, Florida**



**Ardaman & Associates, Inc.**

**OFFICES**

- Orlando**, 8008 S. Orange Avenue, Orlando, Florida 32809, Phone (407) 855-3860  
**Alexandria**, 3609 Mac Leo Drive, Alexandria, Louisiana 71302 Phone (318) 443-2888  
**Bartow**, 1525 Centennial Drive, Bartow, Florida 33830, Phone (863) 533-0858  
**Baton Rouge**, 316 Highlandia Drive, Baton Rouge, Louisiana 70884, Phone (225) 752-4790  
**Cocoa**, 1300 N. Cocoa Blvd., Cocoa, Florida 32922, Phone (321) 632-2503  
**Fort Myers**, 9970 Bavaria Road, Fort Myers, Florida 33913, Phone (239) 768-6600  
**Miami**, 2608 W. 84th Street, Hialeah, Florida 33016, Phone (305) 825-2683  
**Monroe**, 1122 Hayes Street, West Monroe, Louisiana 71292, Phone (318) 387-4103  
**New Orleans**, 1305 Distributors Row, Suite 1, Jofferson, Louisiana 70123, Phone (504) 835-2593  
**Port Charlotte**, 740 Tamiami Trail, Unit 3, Port Charlotte, Florida 33954, Phone (941) 624-3393  
**Port St. Lucie**, 460 Concourse Place NW, Unit 1, Port St. Lucie, Florida 34986, Phone (772) 878-0072  
**Sarasota**, 78 Sarasota Center Blvd., Sarasota, Florida 34240, Phone (941) 922-3526  
**Shreveport**, 7222 Greenwood Road, Shreveport, Louisiana 71119, Phone (318) 636-3673  
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Ardaman & Associates, Inc.

Geotechnical, Environmental and  
Materials Consultants

August 22, 2011  
File No. 11-6415

Lake County Department of Public Works  
437 Ardice Avenue  
Eustis, Florida 32726

Attention: Mr. Pat Magno, P.E.

Subject: Roadway Soil Survey  
CR 450 Widening  
Marion County Line to Wilson Parish Road  
Lake County, Florida

Dear Mr. Magno:

As requested and authorized, we have completed a Roadway Soil Survey for the proposed C.R. 450 widening project. The purposes of performing this exploration were to evaluate the general subsurface conditions within the proposed roadway widening areas, and to provide recommendations for site preparation. This report documents our findings and presents our engineering recommendations.

This report has been prepared in accordance with generally accepted geotechnical engineering practices for specific application to the project limits indicated in this report. No other warranty, expressed or implied, is made. The soils information and recommendations submitted herein are based on the data obtained from the soil borings presented on Figures 4 and 5. This report does not reflect any variations which may occur adjacent to or between the borings. The nature and extent of the variations adjacent to or between the borings may not become evident until during construction.

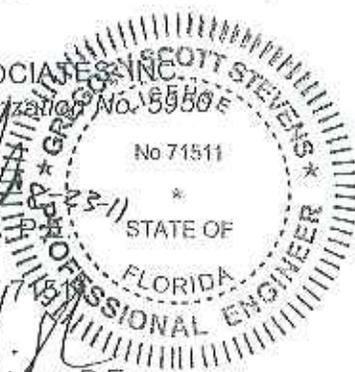
It has been a pleasure assisting you with this phase of the project. If you have any questions, or when we may be of further assistance to you, please do not hesitate to contact us.

Very truly yours,

ARDAMAN & ASSOCIATES, INC.  
Certificate of Authorization No. 15550E

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GSS/JMP/CHC/nfm

11-6415 CR 450 REPORT 8-22-11.DOC (2011 Geo)

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## 1.0 INTRODUCTION

### 1.1 Site Location

The subject portion of CR 450 is located in Lake County, Florida (Sections 5, 8, 9, 10 and 15, Township 18 South, Range 26 East). The project is approximately 3.9 miles in length and is bounded on the north by the Marion/Lake county line and bounded on the east by Wilson Parish Road.

The general site location is shown superimposed on the Umatilla, Florida, U.S.G.S. quadrangle map presented on Figure 1.

### 1.2 Project Considerations

It is our understanding that the proposed construction will include widening the paved shoulders to the outside of existing CR 450, which is currently a two-lane rural section.

The existing roadway will be milled and surfaced.

No drainage improvements are planned.

### 1.3 Purpose and Scope of Exploration

The purposes of this exploration were to explore shallow subsurface conditions within the proposed roadway alignment and to provide a geotechnical engineering evaluation of the conditions encountered. Our services included:

1. Obtaining and evaluating readily available geologic and soil survey data.
2. Conducting auger borings and measuring groundwater levels within the shoulder widening areas of CR 450.
3. Observing recovered soil samples in our laboratory and performing tests on selected samples to aid in classification.
4. Performing pavement coring to identify the type and thickness of the existing pavement system.
5. Analyzing and interpreting the field and laboratory data.
6. Performing geotechnical engineering analyses to develop recommendations for site preparation.

### 1.4 Review of Available Data

#### 1.4.1 Soil Survey Maps

Based on the 1975 Soil Survey for Lake County, Florida, as prepared by the U.S. Department of Agriculture Soil Conservation Service, various soil types exist within the proposed improvement areas.

The individual soil types, their characteristics and their respective locations along the project limits are summarized and presented in Table 1. The type and location of the individual soils are also shown on the Soil Survey Map presented as Figure 2.

#### 1.4.2 U.S.G.S. Quadrangle Maps

Based on our review of the Oviedo, Florida, U.S.G.S. quadrangle map, the existing ground surface elevations along the project alignment vary from approximately +65 to +115 feet NGVD.

#### 1.4.3 Potentiometric Maps

Based on review of the "Potentiometric Surface of the Upper Floridan Aquifer in the St. Johns River Water Management District and Vicinity, Florida" (dated May, 2009) published by the United States Geological Survey, the potentiometric elevation within the project area is approximately +50 to +55 feet NGVD, or approximately 10 to 65 feet below the prevailing ground surface elevation.

## 2.0 FIELD EXPLORATION PROGRAM

### 2.1 Roadway Borings

The field exploration program relative to the shoulder widening consisted of performing auger borings at various intervals along the roadway alignment. The auger borings were conducted using a 4-inch diameter continuous-flight auger and were advanced to a depth of 15 feet below the ground surface. All of the borings were backfilled with soil upon completion of the field exploration program.

A summary of the auger boring procedure is included in Appendix I. Soil samples recovered during performance of the borings were visually classified in the field and representative portions of the samples were transported to our laboratory in sealed sample jars for further classification and laboratory testing.

The locations of the borings along the alignment were determined in the field by GPS and coordinates were estimated using the stationing and features shown on the provided plans. The offset at each boring was determined in the field by tape measuring offsets from centerline of the roadway, and should be considered accurate only to the degree implied by the method of measurement used. We note that the "centerline" is the boundary between the existing travel lanes.

### 2.2 Groundwater Level

The depth to groundwater was measured in the boreholes after stabilization of the downhole water level after the holes were drilled. As shown on Figures 4 and 5, groundwater was encountered at depths that ranged from 4 to 15 feet below the existing ground surface on the dates indicated. Fluctuation in groundwater levels should be anticipated throughout the year primarily due to seasonal variations in rainfall and other factors that may vary from the time the borings were conducted.

The absence of groundwater data at some of the boring locations indicates that groundwater was not encountered within the vertical reach of the borings on the date drilled. However, this does not necessarily mean that groundwater would not be encountered at some other time.

### 2.3 Pavement Coring

A total of 40 pavement cores were obtained at selected locations along the existing roadway. In general, an attempt was made to perform the cores on cracks. At each location, the asphalt pavement and underlying base course were measured for thickness. In addition, rut depth measurements were obtained within the wheel paths. Upon completion, the coreholes were filled with asphaltic "cold patch" material.

## 3.0 LABORATORY TESTING PROGRAM

### 3.1 Visual Examination and Classification Testing

Representative soil samples obtained during our field sampling operation were packaged and transferred to our laboratory for further visual examination and classification to obtain more accurate descriptions of the existing soil strata. The soil samples for the roadway were visually classified in general accordance with the AASHTO Soil Classification System (ASTM D-3282).

In addition, sieve analyses, organic content and Atterberg limits tests were conducted on representative soil samples to aid in classification. The resulting soil descriptions and the results of our tests are shown on Table 3 and summarized on the Soil Survey sheet presented as Figure 3.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

### 4.1 General Soil Stratigraphy

The results of the field exploration and laboratory testing programs are graphically summarized on the Soil Survey sheet (Figure 3) and the soil boring profiles (Figures 4 and 5). The stratification of the boring profiles represents our interpretation of the field boring logs and the results of the laboratory examination of the recovered samples. The stratification lines represent the approximate boundary between soil types. The actual transitions may be more gradual than implied.

The results of our test borings indicate the following general soil types:

Strata No.	Description	Classification	
		AASHTO	FDOT Index 505
1	Light gray, grayish brown, light brown yellowish brown to dark brown fine sand to fine sand with silt, occasional roots.	A-3	S
2	Dark brown to black fine sand with silt, trace organics.	A-3	S
3	Light brown and reddish brown fine sand with clay.	A-3, A-2-4	S
4	Orangish brown and grayish brown clayey fine sand, occasional cemented fragments.	A-2-4	S
5	Gray and orange brown clayey fine sand to sandy clay.	A-2-6, A-7	P, H

The results of our exploration indicate that the soil conditions encountered in the borings presented on Figures 4 and 5 are acceptable for construction of the proposed roadway, excepting for the A-2-6 to A-7 soils (Stratum 5) which are plastic per FDOT Standard Index 505. The removal of non-select soils (i.e., plastic or high plastic), should be accomplished in accordance with FDOT Standard

Index 500 unless otherwise indicated on the plans. The plastic and high plastic soil material may be used as indicated in FDOT Standard Index 505.

Strata 1 through 4 soils encountered in the roadway borings are considered Select (reference Index 505 of FDOT Design Standards) for use as fill for roadway construction.

#### 4.2 Groundwater Control

The groundwater level was measured in the boreholes on the day drilled after stabilization of the downhole water level. As shown on Figures 4 and 5, in borings where groundwater was encountered, groundwater was encountered at depths that ranged from 4 feet to 15 feet below the existing ground surface on the dates indicated. Groundwater was not encountered to a depth of 15 feet in some of the borings. Fluctuation in groundwater levels should be anticipated throughout the year primarily due to seasonal variations in rainfall and other factors that may vary from the time the borings were conducted.

If the control of the groundwater will be required during construction, the actual method(s) of dewatering should be determined by the contractor. However, regardless of the method(s) used, we suggest drawing down the water table sufficiently; say 2 to 3 feet, below the bottom of any excavation or compaction surface to preclude "pumping" and/or compaction-related problems with the foundation soils.

Dewatering should be accomplished with the knowledge that the permeability of soil tends to decrease with an increasing silt and clay content. Therefore, silty fine sand is typically less permeable than fine sand. The Stratum 1 through Stratum 4 type soils can usually be dewatered by well pointing or ditch/sump methods.

#### 4.3 Seasonal High Water Table

The typical seasonal high water table each year is the level in the August-September period at the end of the rainy season during an average rainfall year. The water table elevations associated with a flood level would be much higher than the seasonal high water table elevations. The normal high water levels would more approximate the seasonal high water table elevations.

The seasonal high water table is affected by a number of factors. The drainage characteristics of the soils, the land surface elevation, relief points such as lakes, rivers, swamp areas, etc., and distance to relief points are some of the more important factors influencing the seasonal high water table elevation.

Based on our interpretation of the site conditions using our boring log data, we have estimated the seasonal high water table at the boring locations. Our estimates of the normal seasonal high groundwater level are presented on the Auger Boring Soil Profiles presented on Figures 4 and 5.

#### 4.4 Pavement Core Results

The pavement cores encountered asphaltic concrete ranging in thickness from 1.5 to 6.1 inches (average 3.8 inches) underlain by limerock base ranging in thickness from 5.5 to 8.5 inches (average 7.0 inches). All cores were obtained on existing cracks. On all 40 cores, the crack measured the full depth of the asphalt core. The individual pavement results showing the locations, asphalt and base types and thicknesses, crack information and rut data is presented as Table 3.

We note that the asphalt types in Table 3 are based on visual inspection only. Laboratory testing of the individual layers would need to be performed to confirm the visual assessment.

#### 4.5 Preliminary Construction Considerations

Roadway construction should be performed in accordance with the appropriate sections of the FDOT current edition of the Standard Specifications for Road and Bridge Construction. If needed, backfill should generally consist of Select material (A-3, A-2-4) compacted in accordance with the FDOT Standard Specification for Road and Bridge Construction. In accordance with these specifications, the removal of organic materials and any plastic soils occurring within the roadway should be accomplished in accordance with FDOT Standard Index 500 unless otherwise shown on the plans. In-place density tests should be performed on the fill soils to verify the specified degree of compaction. The minimum density test frequency should be in accordance with the FDOT Materials, Sampling, Testing, and Reporting Guide. Fill placement and side slopes for embankment construction are presented in the FDOT Standard Index 505.

If some form of groundwater control (dewatering) will be required during construction, the means and methods of groundwater and surface water control should be the responsibility of the contractor. Positive site drainage should be established early during construction in order to reduce ponding of surface water during heavy or prolonged rainfall.

#### 4.6 Milling and Resurfacing Considerations

Pavement observations made during the pavement data collection phase of the project indicate that the majority of the asphalt is exhibiting moderate to severe branch type cracking. Branch type cracking is generally associated with early stages of structural fatigue and ultimately turns to alligator cracking as the branching interconnects. The pavement core data indicates that the asphalt pavement is highly variable in thickness and that the cracks extend the full depth of the asphalt pavement.

Traditionally, it is desirable to mill to a depth equal to the average crack depth less one standard deviation and replace the required amount of asphalt to meet the structural requirements of the roadway. Ardaman has not performed a structural evaluation and does not know the required structural number. However, we recommend milling as much of the existing asphalt as economically feasible within the project budget. It is important to note that the full depth cracking in the existing asphalt that remains after milling will reflect upward through the new asphalt. There are many factors that contribute to the rate of reflective cracking, but as a general rule, 1/2 to 1 inch per year can be expected. Once the cracks reflect to the surface, accelerated pavement deterioration and degradation of the base can be expected.

The client should consider the performance of the existing pavement section in its final decision relative to milling depth. While the existing pavement has clearly reached its structural capacity, the pavement is still drivable and a relatively smooth drive. Simply milling and resurfacing within the economic constraints of the project should not worsen the current condition. Ardaman would be pleased to further discuss the approaches to this project with you if requested.

TABLE 1  
Review of USDA Soil Survey Maps  
CR 450 Widening

Lake County, Florida

Soil Map Unit	Description	Approximate Depth to Normal Seasonal High Groundwater Level (feet)
Am - Anclole and Myakka soils	Nearly level, very poorly drained and poorly drained sandy soils in low, large depressions and poorly defined drainageways.	At or above ground surface
AtB - Astatula sand, dark surface, 0 to 5 percent slopes	Nearly level to gently sloping, excessively drained sandy soil on undulating upland ridges.	>10
AtD - Astatula sand, dark surface, 5 to 12 percent slopes	Sloping to strongly sloping, excessively drained sandy soils on undulating upland ridges.	>10
LaD - Lake sand, 5 to 12 percent slopes	Sloping and strongly sloping, well-drained to excessively drained soils.	>10
Mk - Myakka sand	Nearly level poorly drained soils that has a layer stained by organic material at a depth of less than 30 inches, underlain by sandy soils. These soils occur in broad areas in the flatwoods.	<1
Pe - Placid sand	Nearly level, very poorly drained sandy surface and subsurface layers and a loamy subsoil. These soils are in low wet areas on the upland ridge and in the flatwoods.	At or above ground surface
Ta - Tavares sand	Nearly level to gently sloping, moderately well drained sandy soils.	3
Sw - Swamp	Nearly level poorly drained mineral and organic soils	At or above ground surface
W/c - Wauchula sand	Nearly level poorly drained organic stained sandy surface and subsurface layers with a loamy subsoil on low ridges in the flatwoods	<1

TABLE 2

Summary of Laboratory Test Results  
 C.R. 450 Widening  
 Lake County, Florida

Station	Offset (ft.) From Centerline of Construction	Stratum No.	Sample Depth (feet)	Natural Moisture %	Grain Size Distribution - Percent Passing						OC (%)	Atterberg Limits		AASHTO Classification
					#10 (%)	#40 (%)	#60 (%)	#100 (%)	#200 (%)	Liquid Limit		Plasticity Index		
78+00	19 Lt	1	0 - 3.5	-	100	73	27	8	4	--	--	--	A-3	
130+00	26 Lt	1	0 - 4	--	100	67	45	19	4	--	--	--	A-3	
210+00	22 Rt	1	1.5 - 6	--	100	92	64	25	5	--	--	--	A-3	
91+00	18 Lt	2	13 - 15	17	--	--	--	--	--	1	--	--	A-3	
200+00	19 Rt	2	11 - 12	21	--	--	--	--	--	1	--	--	A-3	
32+00	31 Lt	3	8 - 14	--	100	80	47	19	13	--	--	--	A-2-4	
151+00	24 Lt	4	9 - 15	--	100	90	85	64	25	--	--	--	A-2-4	
120+00	26 Lt	5	5 - 12	--	99	59	48	34	24	--	33	17	A-2-6	
181+00	28 Rt	5	8-13	--	100	85	81	56	26	--	--	--	A-2-6	
230+00	25 Lt	5	4 - 10	-	100	99	96	89	42	--	54	38	A-7	

TABLE 3  
Summary of Pavement Data  
CR 450 Widening  
Lake County, Florida

Project No.: 11-60-6415		Cored By: KT&CK		Date: 8/18/2011		Page No.: 1 of 3											
County: Lake		Highway Sect. No: NA		From: Rigdon Rd		To: Wilson Parish Rd											
Road No.: CR 450		Begin Station: 30+00		End Station: 236+00		Length: 3.9 Miles											
Core No.	Station No.	Distance From Left Edge of Lane	Lane	Wheel Path	Pavement Layer (in.)			Base Thickness (in.)	Crack			Cross Slope (%)	Comments				
					IC-2	Type-S	Type-III		Surface Treatment	Core Length (in.)	Type			Depth (in.)	Class	Extent	Pavt. Cond.
1	33+00	0.0	RT		0.5	1.4	2.1	0.5	4.5	LR	6	B	Br	III	M	F	
2	37+00	6.5	LT	X	0.3	1.1	2.9	0.4	4.7	LR	6	B	Br	II	M	F	0.4
3	42+00	7.0	RT	X	0.5	1.2	3.5	0.5	5.7	LR	5 1/2	B	Br	III	M	F	0.2
4	47+00	8.0	LT	X	0.3	1.0	2.5	0.5	4.3	LR	6 1/2	B	Br	II	M	F	0.3
5	52+00	8.0	RT	X	0.3	1.1	2.0	0.5	3.9	LR	7	B	Br	III	M	F	0.4
6	57+00	8.0	LT	X	0.3	1.2	2.4	0.5	4.4	LR	6 1/2	B	Br	III	M	F	0.3
7	62+00	9.5	RT		0.5	2.0			2.5	LR	8 3/4	B	Br	II	M	F	
8	67+00	1.0	LT	X	0.3	1.1	1.8	0.4	3.6	LR	7 1/2	B	Br	II	M	F	0.2
9	72+00	7.0	RT	X	0.3	1.0	2.4	0.4	4.1	LR	7 1/2	B	Br	II	M	F	0.4
10	77+25	10.5	LT		0.5	1.5			2.0	LR	8 1/2	B	Br	II	M	F	
11	82+00	8.0	RT	X	0.5	1.1	2.8	0.5	4.9	LR	5	B	Br	II	M	F	0.3
12	87+00	8.0	LT	X	0.5	1.2	1.5	0.5	3.7	LR	7 1/4	B	Br	II	M	F	0.3
13	92+00	6.5	RT	X	0.5	1.0	1.5	0.4	3.4	LR	6 1/4	B	Br	II	M	F	0.4
14	97+00	7.0	LT	X	0.5	1.0	2.0	0.5	4.0	LR	6 1/2	B	Br	II	M	F	0.4
15	102+00	8.0	RT	X	0.4	1.1	2.3	0.4	4.2	LR	6 1/2	B	Br	II	M	F	0.4
16	107+00	8.0	LT	X	0.5	0.9	2.4	0.5	4.3	LR	6 3/4	B	Br	III	S	P	0.2

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement  
 Crack Extent: L= Light; M= Moderate; S= Severe  
 Pavement Condition: G= Good; F= Fair; P= Poor  
 Crack Types: A= Alligator; B1= Block; B2= Branch  
 Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base  
 SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack

TABLE 3  
Summary of Pavement Data  
CR 450 Widening  
Lake County, Florida

Project No.:		11-60-6415		Cored By:		KT&GK		Date:		8/18/2011		Page No.: 2 of 3						
County:		Lake		Highway Sect. No.:		NA		From:		Rigdon Rd		To: Wilson Parish Rd						
Road No.:		CR 450		Begin Station:		30+00		End Station:		236+00		Length: 3.9 Miles						
Case No.	Station No.	Distance From/Left Edge of Lane	Lane	Wheel Paths	Pavement Layer (in.)			Base			Crack			Pavt. Cond.	Rut Depth (in)	Cross Slope (%)	Comments	
					FC-2	Type III	Surface Treatment	Core Length (ft)	Type	Thickness (in)	Depth (in)	Type	Class					Extent
17	112+00	7.0	RT	X	0.5	1.1	1.9	0.4	3.9	LR	7	B	Br	II	M	F	0.2	
18	118+00	6.0	LT	X	0.6	0.8	2.1	0.4	3.9	LR	6 1/2	B	Br	II	M	F	0.3	
19	123+00	8.0	RT	X	0.5	1.2			1.7	LR	8 1/2	B	Br	II	M	F		
20	128+00	10.0	LT		0.5	1.3			1.8	LR	8 1/2	B	Br	II	M	F	0.2	
21	135+00	8.0	RT	X	0.5	1.5			2.0	LR	8 1/2	B	Br	II	M	F	0.3	
22	138+00	7.0	LT	X	0.5	1.0	2.0	0.5	4.0	LR	7 1/4	B	Br	II	M	F	0.2	
23	145+00	7.0	RT	X	0.6	1.2	2.4	0.4	4.6	LR	6	B	Br	II	M	F	0.2	
24	148+00	7.0	LT	X	0.5	0.8	2.3	0.5	4.1	LR	7	B	Br	II	M	F	0.3	
25	155+00	8.0	RT	X	0.6	0.9	2.0	0.4	3.9	LR	7	B	Br	II	M	F	0.3	
26	158+00	9.0	LT	X	0.9	1.6			2.5	LR	8	B	Br	II	M	F	0.2	
27	168+00	8.0	RT	X	0.5	1.0	2.5	0.4	4.4	LR	5 1/2	B	Br	II	M	F	0.4	
28	173+00	7.0	LT	X	0.7	0.7	2.7	0.4	4.5	LR	5 1/4	B	Br	III	S	P	0.4	
29	178+00	8.5	RT	X	0.5	0.9	2.3	0.4	4.1	LR	6 3/4	B	Br	II	M	F	0.4	
30	183+00	9.5	LT		0.5	1.5			2.0	LR	7 1/2	B	Br	II	M	F		
31	189+00	8.0	RT	X	0.5	0.7	3.3	0.4	4.9	LR	6	B	Br	II	M	P	0.3	
32	194+00	6.5	LT	X	0.4	0.9	5.0	0.3	4.6	LR	6 1/2	B	Br	III	S	P	0.2	

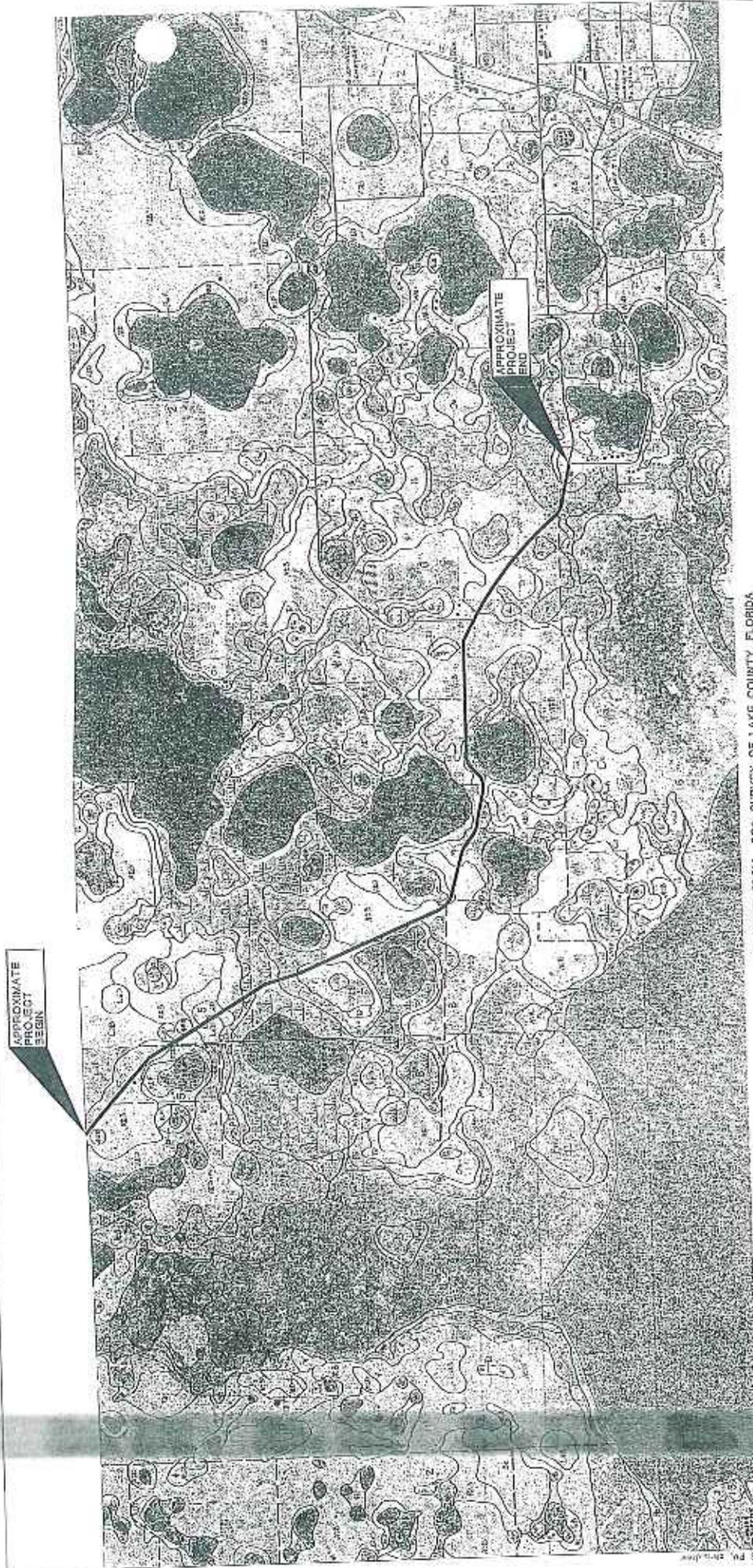
Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement  
 Crack Types: A = Alligator; B = Block; Br = Branch  
 Pavement Condition: G = Good; F = Fair; P = Poor  
 Crack Types: A = Alligator; B = Block; Br = Branch  
 Crack Extent: L = Light; M = Moderate; S = Severe  
 Pavement Condition: G = Good; F = Fair; P = Poor  
 Crack Types: A = Alligator; B = Block; Br = Branch  
 SL = Single Longitudinal; ST = Single Transverse; R = Reflective; J = Joint; OGFC = Open-Graded FC Stress Crack  
 Base Types: LR = Limerock; COQ = Coquina; SC = Soil Cement; ABC = Asphalt Base; SAHM = Sand Asphalt Hot Mix; NB = No Base

TABLE 3  
Summary of Pavement Data  
CR 450 Widening  
Lake County, Florida

Project No.: 11-60-6415		Cored By: KT&GK		Date: 8/18/2011		Page No.: 3 of 3												
County: Lake		Highway Sect. No.: NA		From: Rigdon Rd		To: Wilson Parish Rd												
Road No.: CR 450		Begin Station: 30+00		End Station: 236+00		Length: 3.9 Miles												
Cove No.	Station No.	Distance From Left Edge of Lane	Pavement Layer (in.)			Crack			Cross Slope (%)	Comments								
			W/ed Path	Type S	Type M	Surface Treatment	Crack Length (in)	Type			Depth (in)	Class	Extent	Pavt. Cond.	Rut Depth (in)			
33	199+00	8.0	X	0.5	1.0			1.5	LR	8 1/2	B	A	III	M	P	0.1		
34	204+00	6.0	X	0.7	0.8	2.0	0.3	3.8	LR	8	B	Br	III	S	P	0.2		
35	209+00	8.0	X	0.4	0.9	1.0		2.3	LR	8 1/2	B	Br	II	M	P	0.4		
36	214+00	8.0	X	1.0	1.1	3.0	0.5	5.6	LR	7 1/2	B	Br	II	M	P	0.2		
37	219+00	7.0	X	0.4	1.0	2.0	0.5	3.9	LR	7 3/4	B	Br	II	M	P	0.2		
38	224+00	8.0	X	0.8	1.1	3.8	0.4	6.1	LR	5 1/2	B	Br	III	M	P	0.2		
39	229+00	7.0	X	0.5	1.0	2.0	0.4	3.9	LR	6	B	Br	II	M	P	0.2		
40	234+00	10.5		0.6	1.4	2.5	0.4	4.9	LR	7	B	Br	II	M	P			

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement  
 Crack Extent: L= Light; M= Moderate; S= Severe  
 Pavement Condition: G= Good; F= Fair; P= Poor  
 Crack Types: A= Alligator; B= Block; Br= Branch  
 SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack  
 Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base





OBTAINED FROM SOIL SURVEY OF LAKE COUNTY, FLORIDA  
 ISSUED DATE: 1975

**LEGEND**

- Am - Andric and Myakka Solls
- Atb - Astatula sand, dark surface, 0 to 5 percent slopes
- AtD - Astatula sand, dark surface, 5 to 12 percent slopes
- LaD - Lake sand, 5 to 12 percent slopes
- Mk - Myakka sand
- Ps - Placid sand
- Sw - Swamp
- Ta - Taveres sand
- Ws - Wauchula sand



FIGURE 2

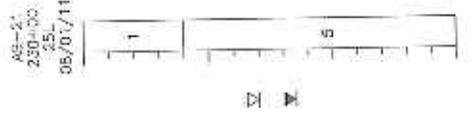
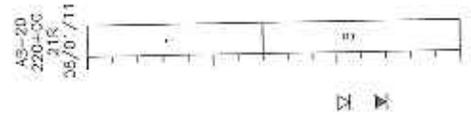
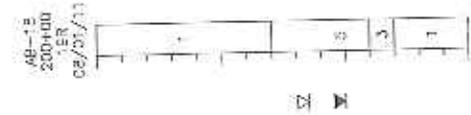
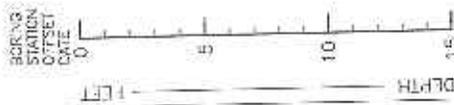
LSCS SOIL SURVEY MAP OF LAKE COUNTY, FLORIDA		 Ardaman & Associates	SCALE: 1" = 200'
SHEET NO.	SHEET		
LAKE COUNTY DEPARTMENT OF PUBLIC WORKS		PROJECT NO.	DATE
PROJECT NO.	DATE		

NAME	DATE	ENGINEER OF RECORD
...	...	...
...	...	...
...	...	...

APPROXIMATE SCALE 1"=200'







LEGEND

- ▼ DEPTH GROUNDWATER WAS ENCOUNTERED (FEET)
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (FEET)
- ONE GROUNDWATER NET ENCOUNTERED IN DATE DRILLED

NOTE: THE BORING OFFSET SHOWN FOR EACH BORING IS THE DISTANCE IN FEET FROM THE CENTERLINE OF THE EXISTING ROADWAY. THE "CENTERLINE" IS THE BOUNDARY BETWEEN TRAVEL LANES.

 <b>Ardaman &amp; Associates, Inc.</b> <small>INCORPORATED IN THE STATE OF FLORIDA</small>		SCALE 1" = 400'	SHEET NO. 10
PROJECT <b>LAKE COUNTY DEPARTMENT OF PUBLIC WORKS</b>		DRAWING NO. <b>DR 430</b>	DATE <b>08/01/11</b>
CLIENT <b>LAKE COUNTY, FLORIDA</b>		FIGURE NO. <b>FIGURE 5</b>	

**APPENDIX I**

Auger Boring Procedure

## AUGER BORINGS

Auger borings are used when a relatively large, continuous sampling of soil strata close to ground surface is desired. A 4-inch diameter, continuous flite, helical auger with a cutting head at its end is screwed into the ground in 5-foot sections. It is powered by the rotating action of the Kelly bar of a rotary drill rig. The sample is recovered by withdrawing the auger out of the ground without rotating it. The soil sample so obtained, is classified and representative samples put in bags or jars and brought back to the laboratory for classification testing.

## ADDENDUM #1

CR 450 Paved Shoulders  
Project No. 2013-02  
Bid No. 13-0022

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document. The information in this addendum modifies and changes the original bidding documents and takes precedence over the original documents. **Receipt of this addendum shall be acknowledged by the bidder by signing and dating the appropriate line on page W-4 of the bid proposal.** Failure to acknowledge this addendum may preclude consideration of the bid proposal for award.

A non-mandatory pre-bid meeting for the referenced project was held at 9:00 a.m. on January 24, 2013, in the Department of Public Works' conference room. The following were in attendance:

Name	Company	Phone Number	Email Address
Lito Detorres	PDS	(352) 589-7000	Lito713@comcast.net
Kathryn Barnes	D.A.B. Constructors	(352) 447-5488	kathrynb@dabcon.com
Tim Lusher	Art Walker Construction	(352) 629-1466	office@artwalkerconstruction.com
Mike Davis	Central Testing Laboratory, Inc.	(352) 302-0657	mdavis@ctfl.com
Ted Strouse	Central Testing Laboratory, Inc.	352-266-7502	tstrouse@ctfl.com
Blair Johnson	Ranger Construction	(407) 656-9255	Estimating@rangerconstruction.com
Noble Olasimbo	Lake County Public Works	(352) 483-9092	nolasimbo@lakecountyfl.gov
Denis Dietz	Lake County Public Works	(352) 742-1766	ddietz@lakecountyfl.gov
Jeff Johnson	Lake County Public Works	(352) 483-9024	jjohnson@lakecountyfl.gov
Terry Scott	Lake County Public Works	(352) 483-9023	jscott@lakecountyfl.gov
Pat Magno	Lake County Public Works	(352) 483-9053	pmagno@lakecountyfl.gov
Deb Marchese	Lake County Public Works	(353) 483-9007	dmarchese@lakecountyfl.gov

This project is located west of Umatilla and will consist of constructing 4' paved shoulders along CR 450 and performing radius improvements at various intersecting roadways. Other work associated with this project shall include the following: SP 9.5 asphaltic concrete, SP 12.5 asphaltic concrete, asphalt milling, thermoplastic striping, storm structure installation, swale work, driveway construction, roadway signage, guardrail installation, sodding, and other miscellaneous incidental construction. The engineer's estimate is \$1,985,687.

Work performed under this contract shall be based on a lump sum bid. Quantities, if shown in the construction plans, are estimated for bidding purposes only and shall be verified by the contractor.

Pay special attention to all notes shown in the construction plans.

Contractor shall video the project limits prior to beginning construction. The video shall be in DVD format and provided to Lake County before construction begins. Detail should be given to all existing fence lines, driveways, hedge lines, etc., to document existing conditions prior to construction.

Bid to sod all disturbed areas matching all existing grass types. Contractor shall be responsible for watering all sod until there is established growth.

All utilities shown in the construction plans to be relocated shall be the responsibility of the utility provider to relocate. The contractor shall be responsible for coordination of all utility adjustments and relocation.

Contractor shall provide two (2) red-lined, complete copies of plans as as-built drawings for the project.

The millings shall be the property of Lake County. The Contractor shall bid to haul the millings to the Umatilla Maintenance Barn located at 19720 East Fifth Street, Umatilla, FL. Millings shall not be stockpiled on the project site.

All guardrail shall be installed as per FDOT Index 400.

Bidder shall supply Lake County with a per lineal foot cost for the installation of the Nucor Cable Barrier System shown on sheet 33 of the construction plans at approximately Station 150 + 80 (Left roadway). There are blank spaces provided on Sheet W-3 of the Tabulation of Estimated Quantities for this cost.

This is a FDOT funded project and all federal and state requirements are applicable to this project.

This project requires the use of the safety edge. The County wants this tapered edge placed on the six (6) inches of additional base material at the edge of pavement.

All stormpipe shall be RCP.

The Contractor shall bid to install audible pavement markings as shown in FDOT Index 17346.

## Questions Discussed at the Pre-Bid Meeting:

1. **Question:** What were you referring to on Sheet 33?

**Answer:** Contractor shall bid to install a Nucor Cable Barrier System in the area near the boat ramp. The construction plans state (by others) however, the contractor shall bid to install the barrier system as part of the road project. The barrier system is shown in the plans, There was not a line item shown on the tabulation sheet. Contractor shall add a line on the tabulation sheet for this item.

2. **Question:** Is it possible to get a set of plans that are to scale?

**Answer:** The PDF file is available at the following link:  
[ftp://ftp.co.lake.fl.us/Public\\_Works/Engineering/CR%20450%20Paved%20Shoulder%20Plans/CR%20450%20PAVED%20SHOULDER.pdf](ftp://ftp.co.lake.fl.us/Public_Works/Engineering/CR%20450%20Paved%20Shoulder%20Plans/CR%20450%20PAVED%20SHOULDER.pdf)

The CADD files are available at the following link:  
[ftp://ftp.co.lake.fl.us/Public\\_Works/Engineering/CR%20450%20Paved%20Shoulder%20Plans/ACAD%20FOR%20CR450-PAVED%20SHOULDER/](ftp://ftp.co.lake.fl.us/Public_Works/Engineering/CR%20450%20Paved%20Shoulder%20Plans/ACAD%20FOR%20CR450-PAVED%20SHOULDER/)

3. **Question:** Is there going to be certified payroll and Davis Bacon Wages needed?

**Answer:** Yes, this is a full scale FDOT LAP project and Contractor will be responsible for certified payroll, Davis Bacon wages, and employee interviews.

4. **Question:** Who is handling the testing?

**Answer:** The Contractor shall include the cost of laboratory testing in their bid. Central Testing Laboratory will be responsible for verification testing only.

5. **Question:** There is some overbuild listed on the tabulation sheet. Are the areas marked on the plans? \*See Question #15

**Answer:** Contractor shall bid to construct overbuild areas per the typical shown on sheets 7, 8, and 9. On sheet 9 there are notes for travel lane to match existing, and the paved shoulder not to be flatter than 0.03 or steeper than 0.08.

**6. Question:** There is a note that states no vibratory rollers?

**Answer:** Lake County shall not allow the use of vibratory rollers on this project.

**7. Question:** Where is the 12.5 asphaltic concrete used?

**Answer:** The SP 12.5 asphaltic concrete shall be utilized where the widening area is 2 feet or greater.

**8. Question:** Can the contractor work 24 hours a day?

**Answer:** Due to the location of the project, Lake County will not allow night work.

**9. Question:** Are there any fences that will have to be relocated?

**Answer:** There are no fences shown in the construction plans to be relocated.

**10. Question:** Is the right of way staked?

**Answer:** No, Lake County will not be staking right of way at this time.

**11. Question:** Will the utility relocation be completed prior to construction.

**Answer:** It is Lake County's intent to have all utilities relocated prior to construction. Centurylink is relocating some of their lines at the present time.

**12. Question:** Will the County entertain the idea of a price alternate to not retain the millings?

**Answer:** No, Lake County will retain all millings from the project.

**13. Question:** Can you please specify the traffic levels required for different asphalt types?

**Answer:** All asphaltic concrete shall be traffic level C.

**14. Question:** Excluding the super elevated areas, can you please confirm that the Contractor is to mill a consistent depth of 1" off of the existing roadway and not mill to a 2% cross slope?

**Answer:** Contractor is to mill 1" minimum from existing roadway.

**15. Question:** Excluding the super elevated areas, can you please confirm that the Contractor is to overbuild the roadway with asphalt to a 2% cross slope?

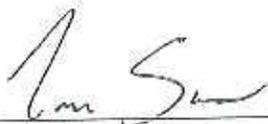
**Answer:** Contractor is to bid to place 1" minimum SP 9.5 in overbuild areas. See Question #5

**16. Question:** Sheet 136, Asphalt Safety Edge Detail: "Construct Fillet with Type SP-12.5" will the County consider striking the "applied in two (2) lifts"? The structural asphalt that is used for the widening will be placed in one lift. The note would be more applicable for the "Type S-9.5 Superpave" that is called out to be installed in two lifts.

**Answer:** Contractor shall bid to construct the safety edge by using 2" SP 12.5 flush across the limerock base.

**17. Question:** Can specs be provided for the Post & Cable Nucor Cable Barrier System?

**Answer:** Please see attached product sheet. Barrier must be Nucor low-tension cable barrier or approved equivalent.



Terry Scott, Construction Inspector II



**HIGHWAY PRODUCTS**  
*"Products That Save Lives"*

*It's Our Nature.* 



You are here :: [HOME](#) > [Products](#) > [Cable Barriers](#) > [Low-Tension Cable Barrier](#)



### Rib-Bak® System Modified Rib-Bak® System

Low-Tension Cable Barrier

NCHRP 350: TL-3

Deflections: 12 feet

Cable: 3 cable

Post Spacing: 16 feet

Slope rating: 6 to 1

This low-tension system is applicable for guide rail applications where deflection needs are 12 ft. or greater. Three 3 x 7 steel cables are supported by strong (up to 100 KSI yield strength) yet economical 4 lb. Nucor Steel Marion RIB-BAK® U-channel posts, galvanized for long life. Cables are attached to the U-channel posts by unique hook bolts, and anchored at both ends into FHWA-approved end terminals.

The Nucor 4 lb. Rib-Bak® U-channel post is an accepted alternate post for the commonly used generic low tension systems on the roadway today.

The Rib-Bak® Low-Tension System utilizes standard J-bolt connection hardware on the generic low-tension systems and the 4 lb. Rib-Bak® U-Channel post as an alternative to the S3 x 5.7 x 5' - 3".

The Modified Rib-Bak® Low-Tension System utilizes the Nucor locking hook bolts as well as the 4 lb. Rib-Bak® U-Channel post as an alternative to the S3 x 5.7 x 5' - 3". This system allows for deflections less than 12 feet.

[WSIDOT \(Washington\) Generic Low Tension System Standard](#)  
[South Carolina Generic Low-Tension System Standard](#)  
[Missouri Generic Low-Tension System Standard](#)

[Find a distributor in your area...](#)



#### Technical Details

-  [FHWA Acceptance Letters](#)
- [4 lb. Rib-Bak® Drawing](#)
- [W-Beam Transition](#)
- [MSIDS](#)

#### Other Links

[News stories on cable barriers](#)  
[Research \(Very useful webpage\)](#)  
[Funding Resources](#)  
[Find a distributor](#)

"Cable median barriers are an effective means of reducing fatal crossover crashes." FHWA, 2006

[Read more cable barriers](#)

## ADDENDUM #2

CR 450 Paved Shoulders  
Project No. 2013-02  
Bid No. 13-0022

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document. The information in this addendum modifies and changes the original bidding documents and takes precedence over the original documents. **Receipt of this addendum shall be acknowledged by the bidder by signing and dating the appropriate line on page W-4 of the bid proposal.** Failure to acknowledge this addendum may preclude consideration of the bid proposal for award.

**On Sheet 33 of the construction plans, disregard any reference to "Post and Cable Barrier System". Contractor shall not include in their bid a cost to install this barrier system.**

**Please see attached wage rates, as updated on January 18, 2013.**

**1. Question:** The detail for the safety edge on Sheet 136 and the typical section shown on sheets 7, 8, and 9, are different. Beings that all of the typical sections show variable width widening, can you please provide the desired width of limerock base that extends beyond the 4' proposed paved shoulder?

**Answer:** Contractor shall bid to place limerock 6" beyond paved shoulder to support the safety edge. It is Lake County's intent to construct 12' travel lanes and 4' paved shoulders to have a completed roadway of 32' in width.

**2. Question:** Can the project bid date be extended one week?

**Answer:** The bid opening for this project will remain February 7, 2013.

**3. Question:** The plans have a note requiring the use of static rollers only, can you please confirm this is the case?

**Answer:** Please see Addendum #1, Question #6.

**4. Question:** Addendum #1: The answer to question 15 and Key Number 2 on sheets 7, 8 and 9 do not coincide. Per the answer to question 15, the County will be paying for asphalt to be installed that is not necessary. Can you please consider changing the answer to Question 15 to read "Asphalt Leveling Course/Overbuild as needed to achieve 2% cross slope".

**Answer:** To clarify the answer to Questions #5 and #15 on Addendum #1, Contractor is to provide a cost to Lake County to place 1" minimum SP 9.5 asphaltic concrete over the milled surface to be used as a leveling course. The cost to perform this work should be listed on your tabulation of quantities sheet under Item #15 "Asphalt Overbuild".

**5. Question:** Can you please confirm the typical section for the driveways?

**Answer:** All driveways shall be constructed as per the typical sections shown on Sheet 5 of the construction plans. Contractor shall match the pavement width and type as depicted throughout the construction plans.

**6. Question:** Addendum 1: Question 11, It is the intent of the County to have all utilities relocated prior to construction, we do not see where the utility adjustments show the power poles to be relocated. Many of the poles will be less than 10 foot off of the proposed shoulder widening and remain well inside in the FDOT clear zone (and the 10' clear zone specified for this project). Is the power company going to relocate the power poles prior to construction? Can the contractor be given a utility relocate schedule to incorporate into our calendar days to complete the project?

**Answer:** Only the utilities that are in conflict with construction (per the construction plans) will be relocated by the utility companies. Lake County does not have a utility relocation schedule.

**Every request for an interpretation must be in writing, and shall be received by the County Director of Public Works not less than ten (10) calendar days prior to the date set for opening of bids. No more questions will be answered for this project.**



Terry Scott, Construction Inspector II

General Decision Number: FL130220 01/18/2013 FL220

Superseded General Decision Number: FL20120220

State: Florida

Construction Type: Highway

County: Lake County in Florida.

HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/04/2013
1	01/18/2013

\* ELEC0756-005 12/31/2012

	Rates	Fringes
ELECTRICIAN.....	\$ 25.80	5.50%+8.70

SUPL2009-216 06/05/2009

	Rates	Fringes
CARPENTER, Excludes Form Work....	\$ 12.47	1.00
CEMENT MASON/CONCRETE FINISHER...	\$ 12.14	0.00
FORM WORKER.....	\$ 14.63	0.00
HIGHWAY/PARKING LOT STRIPING: Operator (Striping Machine).....	\$ 11.97	2.23
HIGHWAY/PARKING LOT STRIPING: Painter.....	\$ 13.31	0.00
IRONWORKER, REINFORCING.....	\$ 14.50	1.37
IRONWORKER, STRUCTURAL.....	\$ 16.75	3.88
LABORER: Asphalt Baker.....	\$ 10.81	0.00
LABORER: Asphalt Shoveler.....	\$ 10.70	0.00
LABORER: Common or General.....	\$ 8.21	0.00
LABORER: Flagger.....	\$ 8.58	0.00
LABORER: Grade Checker.....	\$ 10.50	0.55
LABORER: Landscape & Irrigation.....	\$ 9.77	0.00
LABORER: Luteman.....	\$ 10.32	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00	1.80

LABORER: Pipelayer.....	\$ 11.13	0.00
LABORER: Power Tool Operator (Hand Hold Drills/Saws, Jackhammer and Power Saws Only).....	\$ 11.23	1.96
OPERATOR: Asphalt Paver.....	\$ 11.98	0.00
OPERATOR: Asphalt Plant.....	\$ 12.20	0.00
OPERATOR: Asphalt Spreader.....	\$ 11.38	0.00
OPERATOR: Auger.....	\$ 19.40	0.44
OPERATOR: Backhoe Loader Combo.....	\$ 15.33	0.97
OPERATOR: Backhoe/Excavator.....	\$ 14.58	2.57
OPERATOR: Boom.....	\$ 16.51	0.00
OPERATOR: Bulldozer.....	\$ 14.65	2.95
OPERATOR: Crane.....	\$ 17.25	1.42
OPERATOR: Distributor.....	\$ 11.50	0.00
OPERATOR: Drill.....	\$ 13.00	1.59
OPERATOR: Grader/Blade.....	\$ 11.63	0.00
OPERATOR: Loader.....	\$ 13.11	2.40
OPERATOR: Mechanic.....	\$ 16.31	3.76
OPERATOR: Milling Machine.....	\$ 12.10	0.00
OPERATOR: Oiler.....	\$ 12.64	0.95
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 12.14	0.77
OPERATOR: Piledriver.....	\$ 19.00	5.77
OPERATOR: Roller.....	\$ 10.76	0.00
OPERATOR: Scraper.....	\$ 11.16	1.12
OPERATOR: Screed.....	\$ 11.17	0.00
OPERATOR: Tractor.....	\$ 11.08	1.61
OPERATOR: Trencher.....	\$ 13.41	0.49
PAINTER: Spray and Steel.....	\$ 16.62	0.00
TRUCK DRIVER, Includes 10 Yard Haul Away, A Frame, Dump, Water Truck.....	\$ 12.50	0.00

TRUCK DRIVER: 1/Single Axle Truck.....	\$ 10.25	0.00
TRUCK DRIVER: 3 Axle Truck.....	\$ 9.10	0.00
TRUCK DRIVER: 4 Axle Truck.....	\$ 11.14	0.00
TRUCK DRIVER: Dump Truck.....	\$ 10.00	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 11.31	0.00
TRUCK DRIVER: Material Truck....	\$ 12.76	9.80
TRUCK DRIVER: Tractor Haul Truck.....	\$ 10.64	0.00
TRUCK DRIVER: Water Truck.....	\$ 10.50	0.00
TRUCK DRIVER: Distributor, Dump, Lowboy and Tandem.....	\$ 12.89	1.85
TRUCK DRIVER.....	\$ 9.75	1.52

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

#### Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the

effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004 007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
 Wage and Hour Division  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION