

CONTRACT DOCUMENTS

FOR

**RECONSTRUCTION OF BAYVIEW BOAT RAMP  
BAYVIEW DR.**

TOWNSHIP OF UPPER  
CAPE MAY COUNTY – NEW JERSEY

June 16, 2016

TOWNSHIP OF UPPER  
CAPE MAY COUNTY  
NEW JERSEY

NOTICE TO BIDDERS

Sealed Bids for the RECONSTRUCTION OF BAYVIEW BOAT RAMP, Upper Township, Cape May County, New Jersey, will be received by the Upper Township Committee at the Upper Township Municipal Building, Tuckahoe Road, Petersburg, New Jersey, on Thursday, July 14, 2016 at 1:00 PM, Prevailing Time, and then opened and read aloud at said Municipal Building.

The Information for Bidders, Form of Bid, Form of Contract, Plans and Specification prepared by Paul E. Dietrich, Township Engineer, has been filed in the office of said engineer at Township Hall, Petersburg, New Jersey and may be examined by prospective bidders during business hours. Copies may be obtained upon request (Paper copy at a cost of \$20; Electronic copy at no charge) from the Upper Township Clerk's Office, Physical Address: 2100 Tuckahoe Road, Petersburg, NJ 08270; Mailing Address: PO Box 205, Tuckahoe, NJ 08250-0205, or 609-628-2011 ext. 200 or clerk@uppertownship.com.

The Township Committee of the Township of Upper reserves the right to waive any informalities in or to reject any or all bids.

The bids must be submitted prior to the time designated above for receipt and opening bids, and may be submitted either by mail or in person by the bidder or his agent. No bids will be received after the time designated above for their receipt.

Each bidder must deposit with his bid a certified check, cashier's check, or bid bond in the amount of not less than ten (10) percent of the total lump sum bid but not in excess of \$20,000.00, and a certified statement from a bonding company guaranteeing the furnishing of a Performance Bond. Bids must be enclosed in sealed envelopes bearing the name and address of the bidder and marked "RECONSTRUCTION OF BAYVIEW BOAT RAMP, Upper Township, Cape May County, New Jersey" and addressed to the Township Committee, Township of Upper Municipal Building, 2100 Tuckahoe Road, Petersburg, New Jersey, 08270.

The award of the contract shall not be binding upon the Township of Upper until the contract, in accordance with the Specifications, is actually executed by the successful bidder and the Township Committee and the New Jersey Department of Transportation.

Bidders are required to comply with the requirements of N.J.S.A. 105-31 (P.L. 1974, C. 127, Law Against Discrimination Affirmative Action Supplement). Bidders are required to submit a statement of ownership with the bid, in compliance with N.J.S.A. 52:25-24.2 (P.L. 1977, C. 33).

The Township of Upper reserves the right to award a contract within the funds available. No Bidder may withdraw his bid within 60 days after the actual date of opening thereof.

By order of the Township Committee.  
Barbara L. Young, Township Clerk

## INFORMATION FOR BIDDERS

### 1. RECEIPT AND OPENINGS OF BIDS

The Township Committee of the Township of Upper, NJ, (herein called "Owner"), invites bids of the form attached hereto. Bids will be received by the Owner at Upper Township Municipal Building, Petersburg, NJ, on Thursday, July 14, 2016 at 1:00 PM Prevailing time, and then at said Municipal Building publicly opened and read aloud. The envelopes containing the bids must be sealed, addressed to the Township Committee at 2100 Tuckahoe Road, Petersburg, NJ 08270, and designated as "RECONSTRUCTION OF BAYVIEW BOAT RAMP"

The Owner may consider informal any bid not prepared or submitted in accordance with the provisions hereof and may waive any informalities in or reject any or all bids. Any bid received after the time and date specified shall not be considered. The award of a contract shall not be binding upon the Township of Upper until the contract, in accordance with the Specifications, is actually executed by the successful bidder and the Township of Upper. No bidder may withdraw a bid within 60 days after the actual date of the opening thereof.

### 2. PREPARATION OF PROPOSAL

Proposals must be submitted on the prescribed form. All blank spaces for bid prices must be filled in, in ink, with the unit price of the item, the extended total, and the lump sum bid for which the proposal is made.

All bids must be submitted in sealed envelopes bearing on the outside the name of the bidder, his address, and the name of project for which his bid is submitted.

### 3. QUALIFICATION OF BIDDER

The Owner will make such investigations as he deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for his purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by or if an investigation that the bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligation of the Contract and to complete the work contemplated therein. Conditional bids will not be accepted.

### 4. BID SECURITY

**Each bid shall be accompanied by a Bid Bond, Certified Check, Treasurer's Check or Cashier's Check in the amount of ten percent (10%) of the total bid (but not in excess of \$20,000.00). N.J.S.A. 40A:11-21.**

Such checks or bonds will be returned to all except the three lowest bidders within 10 days after opening of the bids. Within three days after the awarding and signing of the contract and the approval of the contractor's performance bond, the bid security of the remaining unsuccessful bidders shall be returned to them. The bidder shall also furnish a certified statement from a Bonding Company, acceptable to the Owner, stating that it will furnish the required Performance Bond for the contractor upon the award of the work.

5. LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT

The successful bidder, upon his failure or refusal to execute and deliver the contract required within eight (8) days after he has received notice of the acceptance of his bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his bid.

6. CONDITIONS OF WORK

Each bidder must inform himself fully of the conditions relating to the construction and labor under which the work will be performed. Failure to do so will not relieve a successful bidder of his obligation to furnish all labor, materials, and equipment necessary to carry out the provisions set forth in his bid. Insofar as possible, the contractor, in the carrying out of his work, must employ such methods or means as will not cause any interruption of the work.

7. SECURITY FOR FAITHFUL PERFORMANCE

**Each bidder shall include with their bid a certificate from a Surety Company authorized to transact business in the State of New Jersey, stating that it shall provide the Contractor with a Performance Bond in the sum required by these instructions if awarded the contract. N.J.S.A. 40A:11-22.**

The Certificate of Surety documents shall include the following information, in order to be considered complete by the Township.

**A Certificate of Surety** - from an insurance company authorized to issue Surety and Performance Bonds in the State of New Jersey. The Certificate of Surety shall state that upon award of a contract by the Township, that a Performance Bond shall be issued and supplied to the Township in an amount equal to one-hundred (100%) percent of the total contract. The Bond shall be for the faithful performance of the contract and in place for the total duration of the contract.

**A Certificate of Power of Attorney** - issued and supplied by an insurance company. This certificate shall state that the Attorney-In-Fact who is the signatory on the Certificate of Surety is duly authorized by the insurance company and its Board of Directors to sign on their behalf.

**A Financial Statement** - issued and supplied by the State of New Jersey's Department of Insurance. This statement shall include financial information on the insurance company that is issuing the Certificate of Surety and the Performance Bond to the Township. The information provided shall include a listing of the corporate officers, assets, liabilities and available surplus funds.

**A Certificate of Authority** - issued and supplied by the State of New Jersey's Department of Insurance. This form certifies that the insurance company being utilized for the surety has complied with the laws of the State of New Jersey and is approved to transact business in the State.

8. **POWER OF ATTORNEY**

Attorneys in fact who sign contract bonds must file with each bond a certified copy of their power of attorney to sign said bonds.

9. **STATE LAWS AND REGULATIONS**

The bidder's attention is directed to the fact that all applicable State and Municipal Laws, and rules and regulations of all authorities having jurisdiction over construction work in the locality of the project, shall apply to the contract throughout, and they are deemed to be included herein the same as though herein written out in full.

10. **LOWEST QUALIFIED BIDDER**

Bids will be compared on the basis of Total Lump Sum Bid. In the event there is a discrepancy between the unit prices and the extended totals, the unit prices govern.

11. **FAILURE TO COMPLETE ON TIME**

The Contractor and the Township of Upper recognize that delay in completion of the Contract will result in damage to the Township in terms of the effect of the delay on the use of the Project, upon the public convenience and economic development of the Township, and will also result in additional cost to the Township of engineering, inspection, and administration of the contract. Because this damage is difficult or impossible to estimate, the parties agree that if the Contractor fails to complete the project within the time stated in the Supplementary Specifications, or within such further time as may have been granted in accordance with the provisions of the Contract, the Contractor shall pay the Township liquidated damages, in accordance with the following schedule, in lieu of the above stated actual damage. Such liquidated damages shall be paid for each and every day, as hereinafter defined that he is in default on time to complete the work.

Schedule of Liquidated Damage for Each Day of Overrun in Contract Time

<u>Original Contract Amount</u>		<u>Liquidated Damages</u>	
From More Than	To and Including	Calendar Day or Specific Completion Date	Working Day
\$ 0	\$ 500,000	\$300	\$420
500,000	1,000,000	400	560
1,000,000	2,000,000	500	700
1,000,000	5,000,000	700	800

The days in default mentioned above shall be the number of calendar days in default when the time for completion of the Project is specified on the basis of calendar days or a specified completion date; and shall be the number of working days in default when the time for completion is specified on the basis of working days; PROVIDED: that the Owner may accept the work if there has been such a degree of completion as will, in the Owner's opinion, make the project reasonably safe, fit, and convenient for the use and accommodation for which it was intended. In such case, the Contractor will not be charged with liquidated damages, but the Owner may assess the actual charges caused by such delay.

12. OBLIGATION OF BIDDER

At the time of the opening of bids, each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Plans and Contract Documents. The failure or omission of any bidder to receive or examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect of his bid.

13. GUARANTY AGAINST DEFECTIVE WORK

Before final, conditional final, or semifinal payment is made as provided in "Basis of Payment," the Contractor shall furnish a surety corporation bond to the Owner in sum equal to five (5) percent of the contract price. The bond and the Surety Corporation shall be satisfactory to the Owner. The bond shall remain in full force and effect for a period of one (1) year from the date of completion of the project as established by the Engineer and shall provide that the contractor guarantees to replace for said period of one (1) year all work performed and all materials furnished that were not performed or furnished according to the terms and performance requirements of the contract, and make good the defect thereof which have been apparent before the expiration of the said period of one (1) year.

If, in the judgment of the Engineer, any part of the project need be replaced, repaired, or made good during the specified guaranty period, for the reasons stated above or hereinafter set forth in the Specifications, he will so notify the Contractor in writing. If the Contractor refuses or neglects to start such work within five (5) days from the date of

service of such notice or at such other time as the Engineer may direct, or if he fails to complete such work within the time prescribed by the Engineer, then the Owner will have the work done by others and the cost thereof shall be paid by the Contractor or his Surety. Before the Surety is released from its bond, the Engineer shall certify in writing that the foregoing obligations have been duly performed.

14. PREVAILING WAGE RATES (Pursuant to Chapter 150 of the New Jersey Laws of 1963)

The latest prevailing wage rates published by the New Jersey State Department of Labor and Industry which are on file at the office of the Engineer shall be made a part of every contract for the performances of the described work. Contractors and subcontractors performing the described work shall post the prevailing wage rates for each craft and classification involved as herein determined is conclusive for a period of two (2) years from date of issuance unless superceded within said two (2) year period by a later determination. Fringe benefits are part of the prevailing wage rate; employers not paying these benefits to a party designated in a collective bargaining agreement shall pay the benefits directly to the employee on each pay day.

Each bidder shall read carefully and fully the said published wage rates and shall predicate his bid on the said rates as minimum requirements. Submission of a bid shall imply that the bidder has carefully inspected all said wage rates, that the bidder is thoroughly familiar with all provisions of the "Prevailing Wage Act," and that should be awarded a contract he will fully and faithfully comply with all provisions of the "Prevailing Wage Act." Copies of the latest published prevailing wage rates may be obtained upon application to Wage and Hour Bureau, NJ State Department of Labor and Industry, CN 389, Trenton, NJ 08625-0389. The General Contractor shall be designated as the Owner's representative with regard to all safety inspections required by the Department of Labor and Industry and shall perform all necessary functions for this purpose. Copy of the Prevailing Wage Rates for this project are on file in the Upper Township Clerk's Office at 2100 Tuckahoe Road, Petersburg, New Jersey and is available upon request.

In the event it is found that any workman employed by the Contractor or any subcontractor covered by said contract is paid less than required wage rates, the Owner may terminate the contractor's right to proceed with the work or such part of the work as to which there has been a failure to pay required wages and to prosecute the work to completion or otherwise. The Contractor and his sureties shall be liable to the Owner for any excess costs occasioned thereby.

15. TIME OF COMPLETION

The Contractor shall complete all work on the project except for the living shoreline planting before January 6, 2017 and the living shoreline planting shall be completed by May 15, 2017.

## 16. NONDISCRIMINATION REQUIREMENTS

During the performance of this contract, the Contractor agrees as follows:

a. The Contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, or sex. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry marital status, or sex. 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 Public Agency Compliance Office setting forth provisions of this nondiscrimination clause;

The Contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to their age, race, creed, color, national origin, ancestry marital status, or sex;

The Contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it 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 this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

The Contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to P.L. 1975, c.127, as amended and supplemented from time to time.

b. When hiring workers in each construction trade, the Contractor or subcontractor agrees to attempt in good faith to employ minority and female workers in each construction trade consistent with the applicable employment goal prescribed by N.J.A.C. 17:27-7.3; provided, however, that the Affirmative Action Office may, in its discretion, exempt a contractor or subcontractor from compliance with the good faith procedures prescribed by 1, 2, and 3 below, as long as the Affirmative Action Office is satisfied that the contractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Affirmative Action Office, that its percentage of active "card carrying" members who are minority and female workers is equal to or greater than the applicable employment goal prescribed by N.J.A.C. 17:27-7.3, promulgated by the Treasurer pursuant to P.L. 1975, c.127, as amended and supplemented from time to time. The contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

1. If the Contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor shall, within three days of the contract award, seek assurances from the union that it will cooperate with the contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to P.L. 1975, c.127, as supplemented and amended from time to time. If the contractor or subcontractor is unable to obtain said assurances from the construction trade union at least five days prior to the commencement of construction work, the contractor or subcontractor agrees to attempt to hire minority and female workers directly, consistent with the applicable employment experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility the trade union will not refer sufficient minority and female workers consistent with the applicable employment goal, the contractor or subcontractor agrees to be prepared to hire minority and female workers directly, consistent with the applicable employment goal, by complying with the hiring procedures prescribed under (c) below; and the contractor or subcontractor further agrees to take said action immediately if it determines or is so notified by the Affirmative Action Office that the union is not referring minority and female workers consistent with the applicable employment goal.

c. If the hiring of a workforce consistent with the employment goal has not or cannot be achieved for each construction trade by adhering to the procedures of (b) above, or if the contractor does not have a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor agrees to take the following actions consistent with the applicable County employment goals:

1. To notify the Public Agency Compliance Officer, Affirmative Action Office, and at least one approved minority referral organization of its manpower needs, and request referral of minority and female workers;

2. To notify any minority and female workers who have been listed with it as awaiting available vacancies;

3. Prior to commencement of work, to request the local construction trade union, if the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, to refer minority and female workers to fill job openings;

4. To leave standing requests for additional referral to minority and female workers with the local construction trade union, if the contractor or subcontractor has a referral trade, the State training and employment service and other approved referral sources in the area until such time as the workforce is consistent with the employment goal;

5. If it is necessary to layoff some of the workers in a given trade on the construction site, to assure, consistent with the applicable State and Federal statutes and court decisions, that sufficient minority and female employees remain on the site consistent with employment goal; and to employ any minority and female workers so laid

off by the contractor or any other construction site in the area on which its workforce composition is not consistent with an employment goal established pursuant to rules implementing P.L. 1975, c.127;

6. To adhere to the following procedure when minority and female workers apply or are referred to the contractor or subcontractor:

i. If said individuals have never previously received any document or certification signifying a level of qualification lower than that required, the contractor or subcontractor shall determine the qualifications of such individuals and if the contractor's or subcontractor's workforce in each construction trade is not consistent with the applicable employment goal, it shall employ such persons which satisfy appropriate qualification standards; provided however, that contractor or subcontractor shall determine that the individual at least possesses the skills and experience recognized by any worker made by a Public Agency Compliance Officer, union, apprentice program, or a referral agency, provided the referral agency is acceptable to the Affirmative Action Office and provided further, that, if necessary, the contractor or subcontractor shall hire minority and female workers who qualify as trainees pursuant to these rules. All of these requirements, however, are limited by the provisions of (d) below.

ii. If the contractor's or subcontractor's workforce is consistent with the applicable employment goal, the name of said female or minority group individual shall be maintained on a waiting list for the first consideration, in the event the contractor's or subcontractor's workforce is no longer consistent with the applicable employment goal.

iii. If, for any reason, said contractor or subcontractor determines that a minority individual or a female is not qualified or if the individual qualifies as an advanced trainee or apprentice, the contractor or subcontractor shall inform the individual in writing with the reasons for the determination, maintain a copy in its files, and send a copy to the Public Agency Compliance Officer and to the Affirmative Action Office.

7. To keep a complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Affirmative Action Office and submitted promptly to that office upon request.

d. The Contractor or subcontractor agrees that nothing contained in (c) above shall preclude the Contractor or subcontractor from complying with the hiring hall or apprenticeship provisions in any applicable collective bargaining agreement or hiring hall agreement, and where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement: provided, however, that where the practices of a union or apprenticeship program will result in the exclusion of minorities and females or the failure to refer minorities and females consistent with the County employment goal, the contractor or subcontractor shall consider for employment persons referred pursuant to (c) above without regard to such agreement or arrangement: provided further, however, that the contractor or subcontractor shall not be required to employ female and minority advanced trainees and trainees in numbers which result in the employment of advanced

trainees and trainees as a percentage of the total workforce for the construction worker ration specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ration established by practice in the area for said construction trade. Also, the contractor or subcontractor agrees that, in implementing the procedures of (c) above, it shall, where applicable, employ minority and female workers residing within the geographical jurisdiction of the union.

e. The contractor agrees; to complete an Initial Project Manning Report on forms provided by the Affirmative Action Office or in the form prescribed by the Affirmative Action Office and submit a copy of said form no later than three days after signing a construction contract; provided, however, that the public agency may extend in a particular case the allowable time for submitting the form to no more than 14 days; and to submit a copy of the Monthly Project Manning Report once a month thereafter for the duration of this contract to the Affirmative Action Office and to the Public Agency Compliance Officer. The contractor agrees to cooperate with the public agency in the payment of budgeted funds, as in necessary for on-the-job and off-the-job programs for outreach and training of minority and female trainees employed on the construction projects.

f. The contractor and its subcontractors shall furnish such reports or other documents to the Affirmative Action Office as may be requested by the office from time to time in order to carry out the purpose of these regulations, and public agencies shall furnish such information as may be requested by the Affirmative Action Office for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (NJAC 17:27).

#### 17. ADDENDA/CHANGES IN PLANS OR SPECIFICATIONS

- a. During the time frame that this project is being advertised for bids, all changes and/or modifications in the plans, specifications or contract conditions shall be communicated to all prospective bidders, in the form of a written addenda, by email, telefax or certified mail, so as to insure that the bidder shall have all of the available information prior to the receipt of the bids by the Township, and legally advertised as required by Local Public Contracts Law, N.J. 40A:11-23.
- b. All addenda duly issued as set forth above shall become part of the final contract documents. Failure of any bidder to receive such addenda shall not relieve them from any obligation under their bid as submitted and received.
- c. Receipt of amendments/addendum by the bidders shall be acknowledged prior to the bid opening. Addendum received prior to bid submittal should be acknowledged in the appropriate space on the bid document. Addendum received after bid submittal shall be acknowledged by written letter, email, telefax and/or telegram.

Whenever reference to Title 27 is made, it is construed to mean Title 40.

## GENERAL CONDITIONS

### 1. ENGINEER

In the performance of the work, the Owner shall be represented by Paul E. Dietrich, Township Engineer, (herein called the "Engineer") or by any other person designated by the Owner to perform the duties of the Engineer.

### 2. STANDARD SPECIFICATIONS

The Standard Specifications are the New Jersey Department of Transportation Standard Specification for Road and Bridge Construction, 2007, and shall utilize NJDOT Standard Roadway Construction/ Traffic Control/ Bridge Construction Details, 2007, or most current version and such Standard Specifications and Construction Plan, prepared by Paul Dietrich, Municipal Engineer, dated June 7, 2016 and Permit Plan, prepared by Paul Dietrich, Municipal Engineer November 3, 2015 revised February 11, 2016 as added to and amended herein shall become a part of the contract and govern the execution of the project named herein.

### 3. EXTENSION OF TIME

If the Contractor shall be delayed in the completion of his work by reason of unforeseeable causes beyond his control and without his fault or negligence, including but not restricted to acts of God or the public enemy, acts of neglect of the Owner, fires, floods, epidemics, quarantine, restrictions, strikes, riots or civil commotion, the period herein above specified for completion of his work shall be extended by such time as shall be fixed by the Owner. Any extension of time shall be for reasons set forth in Section 108.11 of the Standard Specifications.

### 4. BASIS OF PAYMENT

The Township Committee meets regularly on the second and fourth Monday of each month. At the regular meeting of the Township Committee of the Township of Upper, the Owner will make partial payment to the Contractor on the basis of a duly certified and approved estimate of the work performed during the period ending on the last day of the month previous to said regular meeting, but to insure the proper performance of this contract, the Owner will retain ten (10) percent of the amount of each estimate up to \$100,000.00 and then two (2) percent until final completion and acceptance of all work covered by this contract.

Payment for a pay item in the proposal includes all the compensation that will be made for the work of that item as described in the contract documents unless the "basis of payment" clause provides that certain work essential to that item will be paid for under another pay item.

Such contractors' approved estimate shall be deemed "approved" 20 days after the Township Committee meeting following receipt of the bill unless the Township provides, before the end of the 20 day period, a written statement of the amount withheld

and the reason for withholding payment. If the estimate is approved, payment must be made to the contractor in the payment cycle following the meeting. Meeting would also include any work session.

5. CONTRACTOR'S RESPONSIBILITY FOR WORK

Until acceptance of the work by the Owner, it shall be under the care and charge of the Contractor, and he shall take every necessary precaution against injury or damage to any part hereof by action of elements or from any other cause whatsoever, whether arising from the execution or non-execution of the work. The Contractor shall rebuild, repair, restore and make good, at his own expense, all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance.

6. CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE

The Contractor and each and every one of his Subcontractors shall provide the Township of Upper with certificates of insurance before the contracts are signed by the Township. All contractors and subcontractors shall carry the following:

- a. Worker's Compensation and Employer's Liability Insurance – covering all of the Employer's employees directly or indirectly engaged in the performance of this Contract. This insurance shall comply with the statutory requirements of the State or States involved and shall have an Employer's Liability Insurance limit of not less than \$500,000.
- b. Comprehensive General Liability Insurance Including Contractor's Protective, Completed Operations and Contractual Liability Insurance – with minimum limits of not less than \$500,000 any one person and \$1,000,000 any one occurrence and \$1,000,000 aggregate for property damage. The property Damage Liability Endorsement as well as coverage for explosion, collapse, and underground (XCU) hazards. All liability coverage shall be on the occurrence basis.
- c. Contractual Liability Insurance – must be included in the Comprehensive General Liability Insurance described in subparagraph b. above specifically insuring the Indemnification Clause specified hereinafter.
- d. Policy Limits – specified above are minimum, and wherever the law requires higher limits shall govern.
- e. Certificates of Insurance for items listed above must be filed with the Engineer and Owner before the Contract is signed. The Comprehensive General Liability certificate must specifically state that Standard Contractual Liability Insurance is in force insuring the Indemnification Clause and Indemnification Clause must be typed on the certificate. All certificates must provide for 15 days prior written notice to the Owner of policy cancellation or material change.
- f. Copies of the Insurance Policies must be filed with the Owner before any work is started by the Contractor.

- g. Policies shall Remain in Force until all work has been completed and until all retained percentages and maintenance bonds have been released.
- h. Subcontractors shall be required by the Contractor to provide the same type of insurance with the same limits. The Contractor shall not allow any subcontractor to commence work until all similar insurance required of the subcontractor has been so obtained and approved. Approval of the insurance by the Owner shall not relieve or decrease the liability of the contractor hereunder. Certificates and policies of insurance covering each subcontractor shall also be filed with the Engineer and Owner before any work is begun by the subcontractor.
- i. Indemnification Clause: “Except as otherwise provided by applicable law, the Contractor shall indemnify and save and hold harmless the Township of Upper, its officers, employees and agents, each of them and all owners of property on which work is being performed hereunder pursuant to easement or right-of-way agreements, harmless from and against any damage, liability, loss, cost of claim arising out of, resulting from or related to, the performance of the work provided for in this agreement, and from all claims arising out of all actions, in action, negligence or any other activity perpetrated by or on the behalf of all subcontractors: their employees, agents or designates.”

These certificates shall be furnished at the time the Contractor delivers the contracts to the Township for execution by the Township Committee. All subcontractors shall furnish their Certificates of Insurance prior to beginning work on any portion of the Project.

- j. Additional Insured: All insurance shall name the Township of Upper, including all elected and appointed officials, all employees and volunteers, all boards, commissions and/or authorities and their board members, employees and volunteers as additional insured's.

## 7. MAINTAINING AND PROTECTING TRAFFIC

The Contractor will be required to conduct the work of this Contract in such a manner as to cause the least possible interference with the traveling public on the streets affected and on adjacent streets.

At all time when traffic is blocked at any point, barricades and lights shall be placed at all adjacent street intersections. When vehicular or pedestrian traffic, or both, are to be maintained over existing highways with the scope of the Project, the Contractor shall plan and carry out his work to provide for the safe and convenient passage of such traffic.

When the construction involves improvement of an existing road, the road shall be kept open to traffic unless otherwise shown on the Plans or approved by the Engineer.

The Contractor shall keep the portion of the Project which is open to traffic in such condition that traffic will be adequately accommodated. The Contractor shall provide and maintain in a safe condition temporary approaches or crossings and intersections, and access to trails, roads, streets, businesses, parking lots, residences, garages, and farms. The Contractor shall notify the owners of adjoining properties at least 24 hours prior to the time he proposes to begin any work which will interfere with their normal passage.

Equipment or machinery having crawler tracks or other treads that mar or damage pavement shall not move over or operate on newly constructed or existing pavements unless precautions are taken to prevent damage to the pavements.

Any damage to newly constructed or existing pavements within the limits of the Project or adjacent thereto, which in the opinion of the Engineer was caused by the Contractor's operations shall be repaired by the Contractor as directed by the Engineer at the Contractor's expense or the repairs will be made by others and the cost of such repairs will be deducted from monies due the contractor.

Any restriction of required traffic lane widths or diversion of traffic at any time shall be subject to the approval of the Engineer.

Except as necessary during actual working hours, and then only with the specific approval of the Engineer, the contractor shall not occupy with his equipment, materials, or personnel, any roadway or sidewalk area within or adjacent to the Project that is open to traffic.

Work, which closes or alters the use of existing roads and streets shall not be undertaken until adequate temporary or permanent provisions for traffic have been approved by the Engineer.

## 8. FINAL CLEAN UP

Before final inspection and acceptance of the Project, any borrow and local material sources and all areas occupied by the contractor in connection with the work shall be cleaned of all rubbish, excess materials, temporary structures and equipment, and all parts of the work shall be left in an acceptable condition.

Payment for final cleaning up shall be included in the price bid for the various scheduled items of work.

## 9. LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

### Legal Jurisdiction

The Contract shall be construed and shall be governed in accordance with the Constitution and laws of the State of New Jersey.

### Discrimination in Employment on Public Works

Pursuant to NJSA 10:2-1, the Contractor agrees that:

(a) In the hiring of persons for the performance of work under this Contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies, or services to be acquired under this Contract, no Contractor, nor any person acting on behalf of such Contractor or Subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates:

(b) No Contractor, Subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engage in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such Contract, on account of race, creed, color, national origin, ancestry marital status, or sex:

(c) There may be deducted from the amount payable to the Contractor by the Township, under this Contract, a penalty of \$50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of provisions of the contract; and

(d) This contract may be canceled or terminated by the Township, and all money due hereunder may be forfeited, for any violation of this Subsection of the Contract occurring after notice of the Contractor from the Township of any prior violation of this Subsection of the Contract.

It is the public policy of the State of New Jersey and of the United States that no individual, group, firm or corporation working on or seeking to work on a public works project should be discriminated against on the basis of age, race, creed, color, national origin, ancestry marital status, or sex. To this end, affirmative action and minority business enterprise regulations and requirements applicable to this Contract are contained the Supplementary Specifications for this Project. Any conflicts between these regulations and requirements and the other provisions of the Contract Documents shall be resolved by the Engineer to further the above stated public policy.

#### Sanitary, Health, and Safety Provisions

The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his employees and as may be necessary to comply with the requirements of the State and local health departments, or of other bodies or tribunals having jurisdiction.

Attention is directed to Federal, State, and local laws, rules and regulations concerning construction safety and health standards. The contractor shall not require any worker to work in surroundings or under conditions, which are unsanitary, hazardous or dangerous to his health or safety.

The Contractor shall submit copies of all pertinent MSDS sheets for materials utilized during construction prior to the start of construction.

#### Public Convenience and Safety

In carrying out any of the provisions of the Contract, or in exercising any power or authority granted to them by or within the scope of the Contract, there shall be liability upon the Township of Upper, Township Committee, its Engineer, or their authorized representatives, either personally or as officials of the Township of Upper, it being understood that in all such matters they act solely as agents and representatives of the Township of Upper.

## 10. PUBLIC UTILITIES

### Cooperation with Utilities

Within the site of the Project there may be public utility structures, and notwithstanding any other clause or clauses of this Contract, the Contractor shall not proceed with his work until he has made diligent inquiry at the offices of the Engineer, the utility companies and municipal authorities or other owners to determine their exact location. The Contractor shall notify, in writing, the utility companies and municipalities or other owners involved of the nature and scope of the Project and of his operations that may affect their facilities or property. Two copies of such notices shall be sent to the Engineer.

Attention of the Contractor is directed to the fact that the approximate locations of known utility structures and facilities that may be encountered within and adjacent to the limits of the work are shown on the Plans. The accuracy and completeness of this information is not guaranteed by the Township, and the Contractor is advised to ascertain for himself all the facts concerning the location of these utilities.

It shall be the duty and responsibility of the Contractor to determine and locate all underground utility lines including electric, telephone and television cables, gas mains and laterals, water mains and laterals, sewer mains and laterals, before undertaking any excavation in the project area. The Contractor shall notify all utilities concerned prior to construction so that they may provide representatives at the site of the project.

The Contractor shall conduct his operations in such a manner as to avoid any and all damage to existing concrete curb, driveway, and sidewalk, and any such damage shall be repaired by the Contractor at his own expense, to the satisfaction of the Engineer.

The Contractor shall contact NJ One Call either by calling 800-272-1000 or [www/nj1-call.org](http://www/nj1-call.org) and provide evidence to the Engineer that each project location has been assigned a confirmation number.

Any and all public or private utility structures such as sewer mains or laterals, water mains or laterals, gas mains or laterals, manholes, storm drains or sewers, catch basins, poles, overhead lines, conduits, cables or appurtenances, shall be fully protected during the work of this Contract; and damage thereto shall be the full responsibility of the Contractor as to repairs and replacement to the satisfaction of the utility owner concerned and to the satisfaction of the Engineer.

Public Utilities (Gas – Electric – Telephone – Water)

In the event that any poles, structures, mains, laterals, conduits or street castings belonging to the South Jersey Gas Company, Atlantic Township Electric Company, or the Verizon New Jersey, Inc., or New Jersey American Water Company, require a change of grade or change of location on account of the work of this Contract, it shall be the duty and responsibility of the Contractor to notify the proper official of the utility concerned in advance of the time of construction so that the necessary work may be completed without delay to the progress to this Contract.

11. CONSTRUCTION LAYOUT

The Contractor shall provide all Work required in connection with the layout for construction of the Project, using the control points and data furnished by the Engineer.

The Contractor shall furnish all necessary qualified personnel and adequate equipment to preserve such controls throughout the duration of the Contract and shall layout therefrom all of the lines and grades necessary for the complete construction of the Project.

The Contractor shall make all necessary computations to establish the exact position of all the work from the control points which are shown on the Plans or furnished by the Engineer. All the work shall be referenced to baselines which the Contractor shall establish from the control points, reestablish when necessary and maintain throughout the life of the contract so as not to delay the Engineer from making necessary preliminary, interim, and final measurements and from checking the Contractor's layout if he so desires.

The Contractor shall be responsible for the preservation of all control points furnished by the Township for his use in staking out the work. If such control points are damaged, lost, displaced or removed, they shall be reset at no cost to the Township.

The Contractor shall provide and maintain offset stakes from each main roadway baseline, from each ramp, jug handle, or turnaround baseline and from each local road baseline, at each station, and outside the limits of grading and construction.

Each stake shall be identified and marked to show the offset distance from the baseline and the Contractor shall furnish grade sheets showing the cut or full to the finished profile lines with reference to the offset stakes. Grade sheets for construction of subbase and underlayer preparation shall also include calculations to establish the typical cross section from the profile grade stake. The Contractor shall provide adequate and accurate offset lines during such construction that require occupation of the baseline points by construction operations.

The Contractor shall be responsible for maintaining the points he has established. Any error or apparent discrepancies found in the Plans or Specifications shall be called to the Engineer's attention in writing for interpretation prior to proceeding with the work.

The Contractor shall be responsible for the finished Work conforming to the lines and grades called for on the Plans, and he shall correct all errors caused by his personnel at no cost to the State.

Attention is directed to the need for caution in laying out and constructing storm drains or headwalls to ascertain that these items do not encroach on private property where easements have not been obtained.

## 12. SUPERINTENDENCE BY CONTRACTOR

The Contractor shall designate in writing before starting work, a competent, English-speaking superintendent capable of reading and thoroughly understanding the Contract Documents and thoroughly experienced in the type of work being performed. Said superintendent shall have the authority to represent and act for the Contractor. An alternate to the Superintendent, with authority equal to his, may also be designated.

Said superintendent or his alternate shall be present at the site of the Project at all times while work is actually in progress on the Contract irrespective of the amount of work subcontracted. He shall have full authority to execute orders or directions of the Engineer, without delay, and to promptly supply such materials, equipment, tools, labor, and incidentals as may be required. When work is not in progress and during periods when work is suspended, arrangements acceptable to the Engineer shall be made for any emergency work which may be required.

Whenever the Contractor or his superintendent is not present on the site or at the location of any particular part of the work where it may be desired to give direction, the Engineer may suspend all of the work or the particular work in reference until said superintendent is present. Such suspension shall not be the basis of any claim against the Township.

## 13. CHANGES IN WORK

No changes in the work covered by the approved contract documents shall be made without having prior written approval of the Owner. Charges or credits for the work covered by the approved change shall be determined by one or more, or a combination of the following methods:

- (a) Unit bid prices previously approved.
- (b) An agreed lump sum.

All other sections of the Standard Specifications shall remain in effect.

14. MUTUAL RESPONSIBILITY OF CONTRACTORS

If, through acts of neglect on the part of the Contractor, any other Contractor or subcontractor shall suffer loss or damage on work, the Contractor agrees to settle with such other contractor or subcontractor by agreement or arbitration if such other contractor or subcontractor will so settle. If such other contractor or subcontractor shall assert any claim against the Owner on account of any damage alleged to have been sustained, the Owner shall notify the Contractor, who shall indemnify and save harmless the Owner against any such claim.

15. SUBCONTRACTING

- (a) The Contractor may utilize the service of specialty subcontractors on those parts of the work which, under normal contracting practices, are performed by specialty subcontractors.
- (b) The Contractor shall not award any work to any subcontractor without prior written approval of the Owner, which approval will not be given until the Contractor submits to the Owner a written statement concerning the proposed award to the subcontractors, which statement will contain such information as the Owner may require.
- (c) The Contractor shall be as fully responsible to the Owner for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.
- (d) The Contractor shall perform with his own organization contract work amounting to not less than 50 percent of the total contract price, except that any Pay Items designated as "Specialty Items" in the Contract Documents may be performed by subcontractor and the amount of any such "Specialty Items" so performed may be deducted from the total contract price before computing the amount of work required to be performed by the Contractor with his own organization. Where an entire item is subcontracted, the value of work subcontracted will be based on the Pay Item bid price. When a portion of an item is subcontracted, the value of work subcontracted will be based on the estimated percentage of the Pay Item bid price determined from information submitted by the Contractor.
- (e) **All bids are subject to N.J.S.A. 40A:11-16., which states that in each bid proposal "the names and addresses of all Subcontractors to whom the bidder shall subcontract the furnishing of plumbing and gas fitting, and all kindred work, and electrical work, structural steel and ornamental iron work, each of which Subcontractors shall be qualified in accordance with this act."**
- (f) **When required, failure to supply information in this section with the bid proposal shall be grounds for immediate rejection of the bid.**

17. COMMENCEMENT OF WORK

Upon execution of the Contract by the Township, a fully executed copy thereof together with a Notice to Proceed will be forwarded to the Contractor. Receipt of the executed contract and Notice shall constitute the Contractor's authority to enter upon the site of the work, provided the Contractor has, prior thereto, submitted to the Engineer, and he has accepted, the insurance certificates required under Subsection 6. Construction operations shall not begin until the Contractor has supplied, and the Engineer has accepted, the progress schedule, shop drawings and other certifications, forms, schedules and any other document required by the Contract Documents prior to the beginning of construction operations.

Construction operations shall begin within 25 days of the date the Contract is executed by the Township. Said twenty-fifth day shall be the first day of the Contract time. Failure of the Contractor to begin construction operations within 25 days for any reason shall constitute a default for which the Township may take whatever action it deems appropriate under the Contract.

Contractor shall notify the New Jersey Department of Environmental Protection and U.S. Army Corps of Engineers, Philadelphia District prior to start of any work in accordance with the approved permits.

18. CORRECTION OF WORK

All work, all materials, whether incorporated in the work or not, all processes of manufacture, and all methods of construction shall be subject to the approval of the Engineer who shall be final judge of the quality and suitability of the work, materials, processes of manufacture, and methods of construction for the purposes for which they are used. Should they fail to meet the Engineer's approval, they shall be forthwith reconstructed, made good, replaced and/or corrected, as the case may be, by the Contractor at his own expense. Rejected material shall immediately be removed from the site. If, in the opinion of the Engineer it is undesirable to replace any defective or damaged materials or to reconstruct or correct any portion of the work injured or not performed in accordance with the Contract Documents, the compensation to be paid to the Contractor hereunder shall be reduced by such amount as in the judgment of the Engineer shall be equitable.

19. WAGE REPORTING REQUIREMENTS

The Contractor shall provide weekly payroll reports to the Township on the forms to be provided by said Township. These reports shall be duly certified and submitted within ten days following the payroll period for which they apply. A copy of the reporting form will be provided to the Contractor at the time a contract is signed by the Township.

20. PERMITS

Contractor shall comply with all permit conditions from the New Jersey Department of Environmental Protection and U.S. Army Corps of Engineers, Philadelphia District as shown on the Permit Plans prepared by Paul Dietrich, Municipal Engineer dated November 3, 2015 revised February 11, 2016.

# **BID PACKAGE**

# Bid Document Submission Checklist

Township of Upper

Reconstruction Bayview Boat Ramp

Upper Township, Cape May County

**A. Failure to submit the following documents are mandatory cause for the bid to be rejected (N.J.S.A. 40A:11-23.2).**

Document	Bidders Initials
Form of Bid (B-2 & 3)	_____
Guarantee/Bid Bond	_____
Certificate from Surety Company	_____
Statement of Coporate Ownership (B-5)	_____
Acknowledgement of receipt of any notice(s) or Revisions(s) or addenda to this advertisement	_____
NJ Business Registration Form (Prime & Subs)	_____

Failure to submit the following documents may be cause for the bid to be rejected (N.J.S.A. 40A:11-23.1b).

Document	Bidders Initials
Non-Collusion Affidavit (B-4)	_____
Consent of Surety	_____
A Certificate of Authority from Surety	_____
Affirmative Action Requirements (B-9)	_____
Two (2) copies & 1 Electronic Copy of Bid Package	_____
Disclosure of Investment of Activities in Iran (B-10)	_____
Bid Document Submission Checklist	_____
Public Works Contr. Registration (Prime & Subs)	_____

**B. Signature: The undersigned hereby acknowledges and has submitted the above listed requirements.**

Name of Bidder: \_\_\_\_\_

By Authorized Representative:

Signature: \_\_\_\_\_

Print Name & Title: \_\_\_\_\_

Date: \_\_\_\_\_

**FORM OF BID**

FOR RECONSTRUCTION OF BAYVIEW BOAT RAMP, TOWNSHIP OF UPPER, CAPE MAY COUNTY, NEW JERSEY.

Pursuant to and in compliance with your Advertisement for Bids and the Information for Bidders relating hereto, the undersigned offers to furnish all labor, plant, materials, supplies, equipment and other facilities and things necessary and proper for or incidental to the “RECONSTRUCTION OF BAYVIEW BOAT RAMP, Township of Upper, Cape May County, N.J.” as required by and in strict accordance with the applicable provisions of the Specifications and all addenda issued by the owner and mailed to the undersigned by certified mail with return receipt requested prior to the date of opening of bids, whether received by the undersigned or not for the following unit prices.

ITEM NO.	DESCRIPTION	UNITS	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	Construction Layout	LS	1	\$	\$
2	Mobilization	LS	1	\$	\$
3	Clearing Site	LS	1	\$	\$
4	Wet Excavation	CY	600	\$	\$
5	Roadway Excavation	CY	475	\$	\$
6	Dense Graded Aggregate Base Course, 6" Thick	SY	1470	\$	\$
7	HMA 19M64, Base Course 4" Th	Ton	350	\$	\$
8	HMA 9.5M64, Surface Course, 1 1/2" Th	Ton	140	\$	\$
9	Inlet, Type E	Unit	3	\$	\$
10	12" Ductile Iron Pipe	LF	70	\$	\$
11	8"x16" Concrete Vertical Curb	LF	675	\$	\$
12	Concrete Sidewalk, 4" Thick	SY	205	\$	\$
13	Concrete Driveway, 6" Thick	SY	30	\$	\$
14	Rock Backfill	Ton	200	\$	\$
15	Concrete Cable Mat	SF	1200	\$	\$
16	Sand	CY	400	\$	\$
17	Living Shoreline Plantings	LS	1	\$	\$
18	Piling	Unit	5	\$	\$
19	Bulkhead, 10' Long Sheet	LF	201	\$	\$
20	Topsoiling	SY	177	\$	\$
21	Fertilizing & Seeding, Type A-3	SY	177	\$	\$
22	Fiber Mulching	SY	177	\$	\$

Total Amount Bid, Items 1 to 22 inclusive..... \$

FORM OF BID (Cont'd)

If written notice of the acceptance of this Bid is mailed, telegraphed or delivered to the undersigned within thirty (30) days after the date of opening of bids, or any time thereafter before the bid is withdrawn, the undersigned will within eight (8) days after the date of such mailing, telegraphing, or delivering of such notice, execute, and deliver a contract in the form of Contract attached to the information for Bidders.

The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed, or delivered.

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This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

DATED \_\_\_\_\_

BY \_\_\_\_\_

ADDRESS \_\_\_\_\_

\* Insert Bidder's name. If a corporation, give State of incorporation using the phrase "a corporation organized under the laws of \_\_\_\_\_

\_\_\_\_\_."

If a partnership, give name of partners, using also the phrase "Co-partners trading and doing business under the firm name and style \_\_\_\_\_

\_\_\_\_\_."

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the name and style of \_\_\_\_\_

\_\_\_\_\_."

NON-COLLUSION AFFIDAVIT

STATE OF NEW JERSEY  
COUNTY

ss.

I \_\_\_\_\_ of \_\_\_\_\_  
the Township of \_\_\_\_\_

in the County of \_\_\_\_\_

and the State of \_\_\_\_\_ of full age, being duly sworn  
according to law on my oath depose and say that:

I am \_\_\_\_\_  
of the firm of \_\_\_\_\_

the bidder making the Proposal for the above named project, and that I executed the said Proposal with full authority so to do; that the said bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said Proposal and in this affidavit are true and correct, and made with full knowledge that the State of New Jersey relies upon the truth of the statements contained in said Proposal and in the statements contained in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by \_\_\_\_\_

---

(N.J.S.A. 52:34-15)

Subscribed and sworn to  
Before me this \_\_\_\_\_ day  
Of \_\_\_\_\_ 2016

Contact Name: \_\_\_\_\_ email: \_\_\_\_\_  
Contact Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Company Address: \_\_\_\_\_

Federal Tax ID No.: \_\_\_\_\_

**(above information to be typed)**

STATEMENT OF OWNERSHIP

NO BID WILL BE CONSIDERED UNLESS THIS FORM IS COMPLETED AND IS SUBMITTED WITH THE BID. THE LAWS OF NEW JERSEY (N.J.S.A. 52:25-24.2) PROHIBIT THE AWARD OF A CONTRACT IF YOU FAIL TO COMPLY WITH THIS REQUIREMENTS.

- [ ] CHECK THIS BOX if the bidder is a business owned by one person, and is not a corporation or partnership. Insert name and address of owner below at (A).
  
- [ ] CHECK THIS BOX if the bidder is a partnership owned by two or more persons, and is not a corporation. Insert name and address of each owner of 10% or more interest in the partnership below at (A), (B), etc.
  
- [ ] CHECK THIS BOX if the bidder is a corporation. Insert name and address of each owner of 10% or more of the corporate stock below at (A), (B), etc., and give the state of incorporation.

		PERCENTAGE OF OWNERSHIP
A.	NAME _____	_____
	ADDRESS _____	_____
B	NAME _____	_____
	ADDRESS _____	_____
C	NAME _____	_____
	ADDRESS _____	_____
D	NAME _____	_____
	ADDRESS _____	_____
E	NAME _____	_____
	ADDRESS _____	_____

INCORPORATED IN THE STATE \_\_\_\_\_ SIGNED \_\_\_\_\_  
OF \_\_\_\_\_ TITLE \_\_\_\_\_

EQUIPMENT CERTIFICATION  
INSTRUCTION FOR COMPLETING THE EQUIPMENT CERTIFICATION

If the Bidder owns, leases, or controls all the necessary equipment required, he shall complete Part 1. Should the Bidder not own, lease, or control the necessary equipment, he shall provide documentation of how Bidder will complete the project. This certification must be attached to and submitted with the Proposal.

Part 1

“This is to certify that I, the Bidder signing the attached Proposal, own, lease or control all the necessary equipment required to accomplish the work shown and described on the Contract Drawings and in the Contract Specifications.”

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner or Controller  
of Equipment

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Signature of Owner or Controller  
of Equipment

List of Equipment

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Attach Additional Sheets as Required)

STATEMENT OF RESPONSIBILITY

Previous work of similar nature completed within the past five years. (List three)  
(Projects performed for government agencies other than in Upper Township)

1. Town or Utility \_\_\_\_\_ Phone No. \_\_\_\_\_

Township or Utility Business Address \_\_\_\_\_

Type of Work \_\_\_\_\_

Contract Price \$ \_\_\_\_\_ Extra Work Required \$ \_\_\_\_\_

Approx. Date of \_\_\_\_\_ Approx. Date of \_\_\_\_\_

Contract Award \_\_\_\_\_ Completion \_\_\_\_\_

Name, Address, & Phone No. of Town's or Utility's Engineer or Superintendent

\_\_\_\_\_

2. Town or Utility \_\_\_\_\_ Phone No. \_\_\_\_\_

Town or Utility Business Address \_\_\_\_\_

Type of Work \_\_\_\_\_

Contract Price \$ \_\_\_\_\_ Extra Work Required \$ \_\_\_\_\_

Approx. Date of \_\_\_\_\_ Approx. Date of \_\_\_\_\_

Contract Award \_\_\_\_\_ Completion \_\_\_\_\_

Name, Address, & Phone No. of Town's or Utility's Engineer or Superintendent

\_\_\_\_\_

3. Town or Utility \_\_\_\_\_ Phone No. \_\_\_\_\_

Town or Utility Business Address \_\_\_\_\_

Type of Work \_\_\_\_\_

Contract Price \$ \_\_\_\_\_ Extra Work Required \$ \_\_\_\_\_

Approx. Date of \_\_\_\_\_ Approx. Date of \_\_\_\_\_

Contract Award \_\_\_\_\_ Completion \_\_\_\_\_

Name, Address, & Phone No. of Town's or Utility's Engineer or Superintendent

\_\_\_\_\_

List approximate volume of work of similar nature completed within the past five years.

\$ \_\_\_\_\_

List of Equipment required for this job which you now own \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

General Business References (List two or three)

<u>Name</u>	<u>Occupation</u>	<u>Business Address</u>	<u>Phone No.</u>
-------------	-------------------	-------------------------	------------------

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

Bank Reference

<u>Name</u>	<u>Occupation</u>	<u>Business Address</u>	<u>Phone No.</u>
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\_\_\_\_\_

\_\_\_\_\_

Number of Permanently Employed Persons in your Organization \_\_\_\_\_

\_\_\_\_\_

It is understood and agreed that the execution of this statement of responsibility is made solely at the risk, cost, and expense of the maker; is given in consideration of the agreement of the Township of Upper to make available to the maker the plans and contract documents for bidding purposes, and no rights, causes or claims at law or inequity shall arise on behalf of the maker against the township of Upper for any use made thereof by the Township of Upper including the refusal to the maker of the right to bid on said work.

\_\_\_\_\_  
Date

By \_\_\_\_\_

Title \_\_\_\_\_

# AFFIRMATIVE ACTION REQUIREMENTS

## Construction Contracts

“Bidder is required to comply with the requirements of N.J.S.A. 10:5-31 et. Seq. and N.J.A.C. 17:27.

1. All successful contractor(s) must submit, to the agencies named below, after notification of award but prior to the signing of the contract an Initial Project Workforce Report (Form AA201) for any contract award that meets or exceeds the Township of Upper bidding threshold.
2. The Successful contractor(s) must submit the appropriate copies of the Initial Project Workforce Report (Form AA201) to the Division of Contract Compliance and the appropriate copy to the Township of Upper.
3. The successful contractor(s) must submit a copy of the Monthly Workforce Report (Form AA202) once a month thereafter for the duration of this contract to the Division and the Township of Upper’s Compliance Officer.

The undersigned certifies that he/she is answer of this commitment to comply with the requirements of N.J.A.C. 10:5-31 et. Seq. and N.J.A.C. 17:27 and agrees to furnish the required forms of evidence.

The undersigned further understands that his/her bid may be rejected as non-responsive if the requirements of N.J.S.A. 10:5-31 et. Seq. and N.J.A.C. 17:27.

Subscribed and sworn to before me this

\_\_\_\_\_  
Signature

\_\_\_\_\_ Day of \_\_\_\_\_, 2016

\_\_\_\_\_  
Title

Notary Public of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

Seal:

## DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract **must complete the certification below** to attest, under penalty of perjury, that the person or entity, or one of the person or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the Department of the Treasury as a person or entity engaging in investment activities in Iran. If the Department of Treasury finds a person or entity to be in violation of the principles which are the subject of this law, the Department of Treasury shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the person or entity. **You can view this list on: <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>**

**I certify, pursuant to Public Law 2012, c. 25, that the person or entity listed below for which I am authorized to bid:**

is not providing goods or services of \$20,000,000 or more in the energy sector of Iran, including a person or entity that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran, AND

is not a financial institution that extends \$20,000,000 or more in credit to another person or entity, for 45 days or more, if that person or entity will use the credit to provide goods or services in the energy sector in Iran.

In the event that a person or entity is unable to make the above certification because it or one of its parents, subsidiaries, or affiliates has engaged in the above-referenced activities, a detailed, accurate and precise description of the activities must be provided below to the Township of Upper under penalty of perjury.

---

### PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, USE ADDITIONAL PAGES

Name: \_\_\_\_\_ Relationship to \_\_\_\_\_

Bidder/Vendor:

Description of Activities:

Duration of Engagement

Bidder/Vendor

Contact Name:

Contact Phone Number:

**Certification:** I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the below-referenced person or entity. I acknowledge that the Township of Upper is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of contracts with the Township to notify the Township in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreements(s) with the Township of Upper and that the Township at its option may declare contract(s) resulting from this certification void and unenforceable.

Full Name (Print) \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_ Date \_\_\_\_\_ Bidder/Vendor \_\_\_\_\_

# CONTRACT PACKAGE

CONTRACT

This agreement made the \_\_\_\_\_ day of \_\_\_\_\_ in the year of  
our Lord \_\_\_\_\_, between the  
Township of Upper, Cape May County, New Jersey, party of the first part, and \_\_\_\_\_  
\_\_\_\_\_, and party of the second part.

WITNESSETH, That the said party of the second part, for and in consideration of the payments hereinafter specified and agreed to be made by the Party of the first part, hereby covenants and agrees to furnish and deliver all materials, to do and perform all work and labor required to be furnished and delivered, done and performed in and about the

---

In strict conformity with the plans and specifications hereto annexed, and which said plans and specifications are hereby made part of this agreement as fully and with the same effect as if the same had been set forth at length in the body of this agreement.

The party of the second part agrees to make payment of all proper charges for labor and materials required in the aforementioned work, and indemnify and save harmless the party of the first part, its officers, agents and servants and each and every one of them, against all damages to which the said party of the first part or any of its officers, agents or servants may be put, by reason of the injury to the person or property of others resulting from carelessness in the performance of said work, or through the negligence of the said party of the second part, or through any improper or defective machinery, implements or appliances used by the said party of the second part in the aforesaid work, or through any act or omission on the part of the said party of the seconds part, or his agent or agents.

In consideration of the premises the party of the first part agrees to pay to the party of the second part for said work, when completed in accordance with said plans and specifications, the sum of

\_\_\_\_\_ Dollars

(\$ \_\_\_\_\_), payments to be made as provided in said specifications upon presentation of the proper certificates of the Engineer and upon the terms set forth in the annexed specifications.

This contract is to be binding upon the party of the first part, its successors or assigns, and upon the party of the second part.

IN WITNESS WHEREOF, the said party of the first part has caused this instrument to be signed by its Presiding Officer, attested by its Secretary, and its corporate seal to be hereto affixed, pursuant to a resolution of said party of the first part passed for the purpose, and the said part of the second part has set hand and seal the day and the year first above written.

\_\_\_\_\_  
Richard Palombo, Mayor

(SEAL)

Attest: \_\_\_\_\_  
Barbara L. Young  
Township Clerk

Signed, sealed, and delivered in the

Presence of \_\_\_\_\_

\_\_\_\_\_  
Contractor

PERFORMANCE AND  
LABOR AND MATERIAL PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

\_\_\_\_\_ of \_\_\_\_\_,

a corporation of the State of \_\_\_\_\_ as Obligee, in the

penal sum of \_\_\_\_\_ dollars

(\$\_\_\_\_\_) for the payment of which, well and truly to be made administrators, successors, and assigns.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the above named Principal did on the \_\_\_\_\_ day of \_\_\_\_\_, 2016,

enter into contract with Obligee for \_\_\_\_\_ which contract is made part of this bond the same as though set forth herein:

NOW, if the said principal shall well and faithfully do and perform the things agreed by the said principal to be done and performed according to the terms of said contract, and shall pay all lawful claims of subcontractors, materialmen, laborers, persons, firms or corporations of the labor performed or materials, provisions, provender or other supplies or teams, fuel, oils, implements or machinery furnished, used or consumed in the carrying forward, performing or completing of said contract, we agreement and assenting that this undertaking shall be for the benefit of any subcontractor, materialman, laborer, person, firm or corporation having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The Surety hereby stipulates and agrees that no modifications, omissions or additions in or to the terms of the said Contract or in or to the specifications therefore shall in any wise affect the obligation of said Surety on its bond.

The bond is given in compliance with the requirements of the statutes of the State of New Jersey in respect to bonds of contractors on public works, Revised Statutes of the State of New Jersey, N.J.S.A. 2A:44-143 to 2A:44-147, both inclusive, and liability hereunder is limited as in said statutes provided.

Signed, sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

PRINCIPAL

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
SURETY

(Seal)

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
TITLE

(Seal)

## Supplementary Specifications

**401.03.03 HMA Courses**

*This Subsection is replaced by the following:*

**H. Air Void Requirements.**

Pavement lots are defined as approximately 15,000 square yards of pavement in Surface area. If pavement lot area is less than 5000 square yards, the Regional District Local Aid Office may waive the air voids requirements.

The RE will designate an independent testing agency (Laboratory) to perform the quality assurance sampling, testing and analysis. The Laboratory is required to be accredited by the AASHTO Accreditation Program ([www.amrl.net](http://www.amrl.net)). The Laboratory’s accreditation must include AASHTO T 166 and AASHTO T 209.

The Laboratory Technician who performs the quality assurance sampling shall be certified by the Society of Asphalt Technologists of New Jersey as an Asphalt Plant Technologist, Level 1.

The Laboratory will determine air voids from 5 (Five) 6 inch diameter cores taken from each lot in random locations within the traveled way and at least one core in each travel lane. The Laboratory will determine air voids of cores from the values for the maximum specific gravity of the mix and the bulk specific gravity of the core. The Laboratory will determine the maximum specific gravity of the mix according to NJDOT B-3 and AASHTO T 209, except that minimum sample size may be waived in order to use a 6-inch diameter core sample. The Laboratory will determine the bulk specific gravity of the compacted mixture by testing each core according to AASHTO T 166.

The Laboratory will calculate the in-place air voids of each completed lot outside the acceptable range of 2 percent air voids to 8 percent air voids.

The RE will assess a reduction in lot due to nonconformance to air voids according to the Table 401.03.03-3.

<b>Table 401.03.03-3 Reduction for Nonconformance to Air Voids Requirements</b>	
<b>Lot Average Air Void Value (Five Samples)</b>	<b>Reduction Per Lot (Percent of Lot)</b>
0.0 to 1.9	10
2.0 to 8.0	0
8.1 to 9.0	5
9.1 to 10.0	15
10.1 to 12.0	30
Over 12.0	Remove & Replace

If the average air voids for the lot is greater than 12.0 percent, remove and replace the lot. The replacement work is subject to the same requirements as the initial work.

**401.03.03 I THICKNESS REQUIREMENTS**

*THIS SUBSECTION IS REPLACED BY THE FOLLOWING:*

**I. Thickness Requirements.**

Thickness requirements will apply when full-depth, uniform-thickness HMA pavement construction is shown.

Pavement lots are defined as approximately 15,000 square yards of pavement area. The Engineer will not include areas consisting of different HMA mixtures or thicknesses in the same lot. If thickness lot area is less than 5000 square yards, the Regional District Local Aid Office may waive the thickness requirements.

The RE will designate an independent testing agency (Laboratory) to perform the quality assurance sampling, testing and analysis. The Laboratory is required to be accredited by the AASHTO Accreditation Program ([www.amrl.net](http://www.amrl.net)). The Laboratory's accreditation must include AASHTO T 166 and AASHTO T 209.

The Laboratory Technician who performs the quality assurance sampling shall be certified by the Society of Asphalt Technologists of New Jersey as an Asphalt Plant Technologist, Level 1.

The Laboratory will test for thickness using the full-depth cores taken for surface course air voids, evaluated according to NJDOT B-4. The Laboratory will base acceptance on total thickness and thickness of the surface course.

1. **Total Thickness.** The Laboratory will calculate the percent defective (PD) as the percentage of the lot that is less than the design thickness. The Department will base total thickness acceptance on the percentage of the lot estimated to fall below the specified thickness as follows:

- a. **Sample Mean ( $\bar{X}$ ) and Standard Deviation (S) of the N Test Results ( $X_1, X_2, \dots, X_N$ ).**

$$\bar{X} = \frac{(X_1 + X_2 + \dots + X_N)}{N}$$

$$S = \sqrt{\frac{(X_1 - \bar{X})^2 + (X_2 - \bar{X})^2 + \dots + (X_N - \bar{X})^2}{N - 1}}$$

- b. **Quality Index ( $Q_L$ ).**

$$Q_L = (\bar{X} - T_{des})/S, \text{ and } T_{des} \text{ is the design thickness.}$$

- c. **Percent Defective (PD).** Using NJDOT ST for the appropriate sample size, determine the percentage of material (PD) falling below the design thickness associated with  $Q_L$  (lower limit).
- d. **Reduction in Payment.** The Department will determine the reduction in payment based on the quantity of the surface course multiplied by the percent reduction in payment from Table 401.03.03-5.

**Table 401.03.03-5 Reduction in Payment for Nonconformance to Requirements for Total Thickness**

Percent Defective	Percent Reduction
0 to 25.0	0
25.1 to 30.0	2
30.1 to 35.0	5
35.1 to 40.0	10
40.1 to 45.0	20

- e. **Removal and Replacement.** If the lot PD  $\geq 45$ , remove and replace, or mill and overlay, the lot. The replacement work is subject to the same requirements as the initial work.
2. **Surface Course Thickness.** The Laboratory will evaluate the surface course solely to determine whether a remove-and-replace or an overlay condition exists, not for pay adjustment. The Laboratory will calculate the percent defective (PD) as the percentage of the lot that is less than the allowable thickness for the nominal maximum aggregate used in the surface course. The Laboratory will accept pavement lots with PD  $\leq 25$  and will reject pavement lots with PD  $> 25$ .

The Laboratory will base surface thickness acceptance on the percentage of the lot estimated to fall below the allowable thickness as follows:

- a. **Sample Mean ( $\bar{X}$ ) and Standard Deviation (S) of the N Test Results ( $X_1, X_2, \dots, X_N$ ).** Calculate using the formula as specified in [401.03.03.1.1](#).

- b. **Quality Index (Q).**

$Q_L = (\bar{X} - T_{all})/S$ , where  $T_{all}$  is the minimum allowable thickness from Table 401.03.03-6.

HMA Mix Design Size Designation	Minimum Allowable Compacted Lift Thickness ( $T_{all}$ )
4.75 MM	0.75 inch
9.5 MM	1.00 inch
12.5 MM	1.25 inches
19 MM	2.00 inches

- c. **Percent Defective.** Using [NJDOT ST](#) for the appropriate sample size, determine the percentage of material (PD) falling below the allowable thickness associated with  $Q_L$  (lower limit).
- d. **Removal and Replacement.** If the surface course fails to meet the acceptance requirement with a PD  $\leq 25$ , the Department will require removal and replacement of the lot. The replacement work is subject to the same requirements as the initial work.

*Replace 401.03.03.J with the following:*

- J. **Ride Quality Requirements.** The Department may evaluate the HMA surface course placed in travel lanes using the International Roughness Index (IRI) according to ASTM E 1926. Other areas will be tested with a ten foot straight edge. The Department will use the measured IRI and straight edge to compute pay adjustment (PA). The PA will be negative for defective work.

The RE will designate an independent testing agency to perform the ride quality testing and analysis. The testing agency is required to comply with certification requirements according to NJDOT R-1.

The Department will calculate the Pay Adjustment (PA) as specified in Table 401.03.03-7 and will base PA on lots of 0.01mile length for each travel lane.

1. Smoothness Measurement.

The testing agency will test the longitudinal profile of the HMA surface course for ride quality with a Class 1 Inertial Profiling System according to AASHTO MP 11 approved according to AASHTO PP 49.

The testing agency will test the full extent of the pavement in the direction of travel in each wheel path. The single IRI value reported for each 0.01-mile lot of pavement is the average of 3 runs.

2. Other Areas.

In addition to the above, a 10-foot straightedge shall be used for the following areas: transverse profile of the finished riding surface, longitudinal and transverse profile of shoulders and ramps, utility hardware, drainage inlets and manholes, and any other areas so designated in the Special Provisions. Any areas that have more than a 1/4-inch deviation between any two contact points of the straightedge shall be corrected by the Contractor using infrared heating to rework the material in a manner approved by the Engineer. Following correction, the area will be retested to verify compliance, each individual non-complying location will be assessed \$250 negative PA.

3. Control Testing.

Perform control testing during HMA placement to ensure compliance with the ride quality requirements specified in Table 401.03.03-7.

4. Preparation for IRI Testing.

Provide the necessary traffic control when the testing agency performs IRI testing. Perform required mechanical sweeping of the surface course before IRI testing. To facilitate auto triggering on laser profilers, place a single line of preformed traffic marking tape perpendicular to the roadway baseline 300 feet before the beginning of each lane to be tested.

5. Acceptance.

The Engineer will determine acceptance and make payment adjustments based on the following:

i. Pay Adjustment.

The pay equations in Table 401.03.03-7 express the pay adjustment in dollars per lot of 0.01 mile. For lots of any other length, the Engineer will scale the pay adjustment up or down in proportion to the actual length of the lot. IRI numbers are in inches per mile.

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**Table 401.03.03-7 Pay Equations for IRI Ride Quality for 0.01 Mile**

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Local Roadways with	IRI ≤ 100	PA = \$0
Posted Speed ≥ 45 MPH	100 < IRI ≤ 170	PA = (IRI - 100) × (- \$1.43)

	IRI > 170	Remove & Replace
Local Roadways with Posted Speed < 45 MPH	IRI ≤ 120	PA = \$0
	120 < IRI ≤ 220	PA = (IRI - 120) × (- \$1.00)
	IRI > 220	Remove & Replace

- ii. Retest provision.  
After testing, if the IRI exceeds the Remove and Replace value (RRV) in Table 401.03.03-7, the testing agency will retest the lot. The testing agency will average the IRI values from the initial test and the retest to determine the final result.
- iii. Removal and Replacement.  
If the average IRI is greater than the RRV after a retest is performed, remove and replace the lot. Any replacement work is subject to the same requirements as the initial work. If only a small percentage (less than 8 percent) of paving lots falls under the RRV, the RE may allow the Contractor to submit a plan for corrective action. If the Contractor’s plan for corrective action is not approved, the RE may require removal and replacement, or may allow the lot to remain in place and the lot will be subject to the pay adjustment as computed in Table 401.03.03-7. If the Contractor’s plan for corrective action is approved and the lot is reworked, the testing agency will test and evaluate it as a new lot that must meet the same requirements as the initial work.

**401.04 MEASUREMENT AND PAYMENT**

The following is added:

The Owner will not make separate payment for Tack Coat but it will be included in the cost of Hot Mix Asphalt 12.5M64 Surface Course, 1 ½” Thick.

The Owner will make a payment adjustment for HMA air void quality by the following formula:

$$\text{Pay Adjustment} = Q \times \text{BP} \times \text{PPA}$$

Where:

BP = Bid Price

Q= Air Void Lot Quantity

PPA= air void PPA as specified in 401.03.03H.

The Department will make a payment adjustment for HMA thickness quality by the following formula:

$$\text{Pay Adjustment} = Q \times \text{BP} \times \text{PPA}$$

Where:

BP = Bid Price

Q= Thickness Lot Quantity  
PPA= thickness PPA as specified in 401.03.03I.

The Department will make a payment adjustment for HMA ride quality, as specified in 401.03.03J.

*The Owner will not make separate payment for Tack Coat but it will be included in the cost of*

**603.02.01 MATERIALS**

The following is added:

Rock backfill shall utilize Coarse Aggregate (No. 57) in accordance with 901.03.

**902.02.03 MIX DESIGN**

THE FOLLOWING IS ADDED TO THE FIRST PARAGRAPH:

UNLESS OTHERWISE APPROVED BY THE ENGINEER, ONLY ONE SOURCE OF SUPPLY FOR HOT MIX ASPHALT SURFACE COURSE MAY BE USED ON THE PROJECT.

**902.02.04 SAMPLING AND TESTING (ALTERNATE)**

THE SECOND PARAGRAPH IS CHANGED TO:

THE PRODUCER'S QUALITY CONTROL TECHNICIAN SHALL BE PRESENT DURING PERIODS OF MIX PRODUCTION FOR THE SOLE PURPOSE OF PERFORMING QUALITY CONTROL AND ACCEPTANCE TESTING. THE QUALITY CONTROL TECHNICIAN SHALL BE CERTIFIED AS AN ASPHALT PLANT TECHNICIAN, LEVEL 2 BY THE SOCIETY OF ASPHALT TECHNICIANS OF NEW JERSEY. THE QUALITY CONTROL TECHNICIAN WILL PERFORM ALL REQUIRED VOLUMETRIC ACCEPTANCE TESTING AND QUALITY CONTROL COMPOSITION TESTING. THE TEST RESULTS WILL BE SUBMITTED TO THE ENGINEER ON A DAILY BASIS ALONG WITH A CERTIFICATION OF COMPLIANCE.

THE FOLLOWING IS ADDED TO 902.02.04:

**F. REQUIREMENTS FOR LABORATORY PERFORMING QUALITY ASSURANCE TESTING**

ANY INDEPENDENT TESTING AGENCY AND/OR LABORATORY PERFORMING THE SERVICES NECESSARY FOR QUALITY ASSURANCE SAMPLING, TESTING AND/OR ANALYSIS SHALL BE ACCREDITED BY THE AASHTO ACCREDITATION PROGRAM.

ALONG WITH THE TEST RESULTS SUBMITTED TO THE ENGINEER, THE LABORATORY SHALL ALSO SUBMIT THE TESTING WORKSHEETS SHOWING THE TEST METHODS USED, INCLUDING THE CALCULATIONS. ALL RESULTS WILL BE COMPARED TO THE QUALITY CONTROL TEST RESULTS FOR THE PROJECT.

THE TECHNICIAN WHO PERFORMS THE QUALITY ASSURANCE TESTING FOR THE TESTING AGENCY AND/OR LABORATORY SHALL BE CERTIFIED BY THE SOCIETY ASPHALT TECHNOLOGISTS OF NEW JERSEY, INC. AS AN ASPHALT PLANT TECHNOLOGIST, LEVEL 2.

ALL TESTING AGENCIES AND/OR LABORATORIES MUST BE IN POSSESSION OF A CERTIFICATE OF ACCREDITATION FROM THE AASHTO ACCREDITATION PROGRAM IN ORDER TO PROVIDE THE REQUIRED SERVICES. THE CERTIFICATE OF ACCREDITATION (ON WWW.NIST.GOV/AMRL) SHALL BE FOR, AT LEAST, THE FOLLOWING TEST METHODS:

AASHTO T30 - MECHANICAL ANALYSIS OF EXTRACTED AGGREGATE.

AASHTO T164 - QUANTITATIVE EXTRACTION OF BITUMEN FROM BITUMINOUS PAVING MIXTURES OR AASHTO T308 - DETERMINING THE ASPHALT BINDER CONTENT OF HOT MIX ASPHALT (HMA) BY THE IGNITION METHOD.

AASHTO T166 - BULK SPECIFIC GRAVITY OF COMPACTED BITUMINOUS MIXTURES.

AASHTO T209 - MAXIMUM SPECIFIC GRAVITY OF BITUMINOUS.

**G. *QUALITY ASSURANCE SAMPLING AND TESTING***

FOR QUALITY ASSURANCE PURPOSES THE AGENCY MAY TAKE 8-INCH DIAMETER CORES FROM THE ROADWAY FOR CONFIRMATION OF THE QUALITY CONTROL COMPOSITION RESULTS. THE TESTING WILL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY AND/OR LABORATORY.

CONFIRMATION OF THE QUALITY CONTROL COMPOSITION RESULTS SHALL BE DETERMINED ON THE BASIS OF THE AVERAGE OF FIVE 8-INCH DIAMETER DRILLED CORES TAKEN FROM RANDOM LOCATIONS IN A LOT. A LOT SHOULD BE A MAXIMUM OF 10,000 SQUARE YARDS IN AREA AND WILL APPLY TO ALL PROJECTS WHETHER THE PROJECT PAYMENT QUANTITIES FOR HOT MIX ASPHALT SURFACE COURSE, HOT MIX ASPHALT INTERMEDIATE COURSE OR HOT MIX ASPHALT BASE COURSE ARE MEASURED ON A SQUARE YARD OR TON BASIS.

WHEN A DRILL FAILS TO PROCURE A WHOLE CORE, THE DRILL SHALL BE MOVED A DISTANCE OF NOT MORE THAN 5 FEET AND AN ALTERNATE CORE OBTAINED. WHEN A PROJECT INVOLVES THE IMPROVEMENT OF SEVERAL INDIVIDUAL STREETS, OR SEVERAL SECTIONS OF THE SAME STREET, THE LOT SHALL BE DETERMINED BY THE AREA OF EACH STREET AND IF LESS THAN THE REQUIRED LOT AREA, THE NEXT STREET OR SECTION PAVED SHALL BE ADDED TO COMPLETE THE APPROXIMATE AREA OF THE LOT. ALL LOTS SHALL BE APPROXIMATELY EQUAL IN SIZE. THE NUMBER OF LOTS FOR THE PROJECT SHALL BE BASED ON THE NEXT HIGHER WHOLE NUMBER DERIVED BY DIVIDING THE TOTAL PAVEMENT SQUARE YARDAGE BY 10,000.

THE AVERAGE OF THE TEST RESULTS FOR THE FIVE SAMPLES OF A LOT SHALL BE COMPARED TO THE AVERAGE OF THE QUALITY CONTROL TEST RESULTS REPRESENTATIVE OF THE LOT. THE AVERAGE QUALITY ASSURANCE TEST

RESULTS SHALL BE WITHIN THE APPLICABLE TOLERANCES OF TABLE 920-7  
**902.02.04-2** AS COMPARED TO THE QUALITY CONTROL TEST RESULTS. PAYMENT  
 FOR ANY LOT, WHICH DOES NOT COMPLY, WITH THESE REQUIREMENTS SHALL  
 BE REDUCED IN ACCORDANCE WITH TABLE **902.02.04-3**. THE ENGINEER MAY  
 ORDER REMOVAL OF ANY LOT SUBJECT TO THE MAXIMUM REDUCTION.

**TABLE 902.02.04-2 TOLERANCE from QUALITY CONTROL TEST RESULTS**

**FOR AVERAGE OF FIVE SAMPLES**

SIEVE SIZE ALL PLANTS	TOLERANCE PERCENTAGE (Plus or Minus)
No. 8	5.5
No. 200	1.6
Asphalt	0.55

**TABLE 902.02.04-3 REDUCTION PER LOT DUE TO NONCONFORMANCE OF  
 QUALITY ASSURANCE TESTING AS COMPARED TO THE QUALITY  
 CONTROL TESTING**

DEVIATION OF AVERAGE OF FIVE QUALITY ASSURANCE SAMPLES AS COMPARED TO THE REPRESENTATIVE QUALITY CONTROL SAMPLES BEYOND APPLICABLE TOLERANCES IN TABLE 920-7 REDUCTION (PERCENT OF TOLERANCE ABOVE)	PER LOT
1 TO 50	2%
51 TO 100	5%
OVER 100	10%

The reconstruction of the Bayview Boat Ramp shall include the following:

- removing the old bulkhead and piling under clearing site
- removing the old boat ramp and rock/ rubble adjacent to the boat ramp under wet excavation
- install truline vinyl bulkhead, 10' long sheets
- install concrete cable mats, 20'x60'
- install mooring piling (coordinate with floating dock contractor)
- install drainage and concrete curb & sidewalk
- regrade road and pave with hot mix asphalt
- backfill area adjacent to boat ramp with clean sand area beneath the plantings
- install coir logs and plant the wetland grasses and upland shrubs

## **CONCRETE CABLE MAT**

### **A. Description**

Concrete Cable Mat is an articulated concrete block system. This system shall be made up of 4' x 16' or 8' x 16' mattresses, which are placed side by side and clamped together to provide one homogeneous system. The mats are made up of concrete blocks interconnected by integrally woven stainless steel cables or 20mm polyester revetment rope, which are poured within each block. The size of the concrete blocks shall be 15.5" square at the base and 11.5" square at the top face (a truncated pyramid shape). The blocks shall be poured in the block pans, to provide closed area within the block. The standard 7 to 8 oz/sy geotextile fabric is attached to the mat during fabrication. The mats release hydrostatic pressure and allow vegetation growth around the perimeter of each block. Concrete Cable Mat shall be manufactured by Bethlehem Precast, 835 North St., Bethlehem, PA 18017 (610-691-1336) or approved equal.

Contractor shall remove existing bulkhead & piling under clearing site and remove old boat ramp and rock/ruble around boat ramp under wet excavation. Wet excavation shall remove material to clean sand is encountered or maximum of 2.5'. Clean bedding stone shall be placed on filter fabric (included in cost of the bedding stone) to the proper line and grade. Concrete Cable Mat shall be installed on top of the bedding stone in accordance with the manufacturer's recommendation.

### **B. Concrete**

The minimum required concrete strength should be 4000 PSI @ 28 days. Air entrainment of 4% to 7% shall also be added. All ASTM standards will be met in the production of the concrete. The finished concrete product shall consist of a minimum density of 140lbs/sf, in an average of 3 units. No individual block shall consist of a minimum concrete density lower than 135 lbs/sf.

### **C. Cables Or Polyester Revetment cable (see cable or polyester specs)**

The cables shall be made of stainless steel aircraft cable of type 302 or 304, depending on the specific use and conditions of the project. The cable shall be of type 1 x 19 construction. Cables shall be integral (poured into) to the concrete block, and shall traverse through each block in both longitudinal & lateral directions of the mat system. Polyester rope may be substituted for stainless steel cable in design, but UV degradation protection must be maintained. The rope mats must be covered with rock or topsoil and vegetated. This cover will provide UV degradation protection.

### **D. Geotextile**

The geotextile used is to be specified by the governing project engineer. The standard geotextile material used on non-specific projects is a 7 to 8-oz, needle punched non-woven fabric. The geotextile extends out two feet on three sides of the

mat. This allows placement in a shingled affect to prevent water getting under the system.

#### **E. Clamps**

Sufficient stainless steel or galvanized wire rope clamps shall be used to secure loops of adjoining Concrete Cable mats.

The number of loop connections is based on the typical detail sheets (or see the Guide for the Design and Placement of Concrete Cable Mats). Clamping in field must follow project layout details to be acceptable. Details available showing the proper method of clamping.

#### **F. Installation**

The supplier shall have a technician experienced in the installation of the Concrete Cable Mat System available at the start of an installation where the engineer or contractor have not had experience with the product to assist in any special techniques needed to assure a proper installation.

The mats shall be laid from the downstream end of project to the upstream end, so the geotextile joints are shingled to direct flow over the joint and to prevent undermining. Intimate contact with the subsurface is critical to the systems performance in the field. The gaps between each mat shall not be greater then 2", preferably 1" or the gap must be closed using a grout mixture. The outside edges of the mat shall be entrenched and buried at least one block into the ground. Compacted granular fill or grout may be used to fill the entrenched edges.

#### **G. Payment**

Payment will be by the square foot of Concrete Cable Mat installed.

#### **I. Test Standards and Specifications**

ASTM C31	Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C33	Specifications for Concrete Aggregates
ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
ASTM C42	Obtaining & Testing Drilled Cores and Sawed Beams of Concrete
ASTM C140	Sampling and Test Concrete Masonry Units
ASTM C150	Specification for Portland Cement
ASTM C207	Specification for Hydrated Lime Types
ASTM C595	Specifications for Blended Hydraulic Cements
ASTM C618	Specifications for Fly Ash and Raw or Calcined Natural Pozzolans for use in Portland Cement Concrete.
ASTM D18.25.04	Specifications for Articulated Concrete Block Systems (In design)
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D3786	Hydraulic Burst Strength of Knitted Goods and Non-woven Fabrics

- ASTM D4355 Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water
- ASTM D4491 Water Permeability of Geotextiles by Permittivity
- ASTM D4533 Trapezoidal Tearing Strength of Geotextiles
- ASTM D4632 Breaking Load and Elongation of Geotextiles (Grab Method)
- ASTM D4751 Determining Apparent Opening Size of a Geotextile
- ASTM D4833 Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
- ASTM D5101 Measuring the Soil-Geotextiles System Clogging Potential by the Gradient Ratio
- ASTM D5567 Hydraulic Conductivity Ratio Testing of Soil/Geotextile Systems
- AASHTO T88 Determining the Grain-size Distribution of Soil
- AASHTO M288-96 Standard Specification for Geotextiles

**Concrete Cable Mat – Closed Cell Block Specifications.**

		CC 45
		45 lbs. / s.f.
MAT	AREA	64 s.f. / 128 s.f.
	WEIGHT	3100 lbs. / 6200 lbs.
	BLOCKS/MAT	36 / 72
BLOCKS	SPACING @ BASE	0.5 in.
	SPACING @ TOP	4.5 in.
	WEIGHT	80.0 lbs.
CABLE		LENGTH / WIDTH
	DIAMETER	5/32 in. / 1/8 in.
	CONSTRUCTION	1 x 19
	BREAKING STRENGTH	3300 lbs. / 2100 lbs.

# Stainless Steel & Polyester Revetment Cable Specifications for Concrete Cable Mats



## 1 x 19 PREFORMED STAINLESS STEEL STRAND NON-FLEXIBLE TYPE 302/304

**△ MILITARY SPECIFICATION**

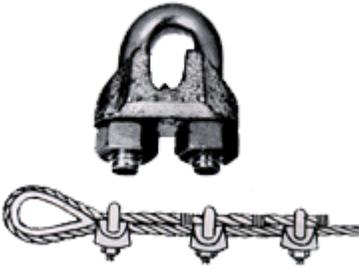
Mil-W-871 61. September 1982 Wire Strand. Non-Flexible for Aircraft Application Type II. Composition B: Corrosion-Resistant Steel. Construction Right Lay: Construction 2 - Left Lay, Superseding Mil-W-5693. December 1965: Mil-W-6940. August 1969.

**□ COMMERCIAL GRADE Specification**  
SD 117. Oil Free - Dry Condition

CODE	APPROX. WEIGHT 100 FT. IN LBS.	MINIMUM BREAK STRENGTH IN LBS.	PART NUMBER	DIAM IN INCHES
△ □ △	.55 .55 .85	375 375 500	SF 04719 SC 04719* SF 06319	3/64 3/64 1/16
□ △ □	.85 1.4 1.4	500 800 800	SC 06319* SF 07819 SC 07819	1/16 5/64 5/64
△ □ △	2.0 2.0 2.7	1,200 1,200 1,600	SF 09419 SC 09419* SF 10919	3/32 3/32 7/64
□ △ □	2.7 3.5 3.5	1,600 2,100 2,100	SC 10919 SF 12519 SC 12519	7/64 1/8 1/8
△ □ △	5.5 5.5 7.7	3,300 3,300 4,700	SF 15619 SC 15619* SF 18819	5/32 5/32 3/16
□ △ □	7.7 10.2 10.2	4700 6300 6300	SC 18819* SF 21919 SC 21919*	3/16 7/32 7/32
△	13.5 13.5 17.0	8,200 8,200 10,300	SF 25019 SC 25019* SF 28119	1/4 1/4 9/32
□ △ □	17.0 21.0 21.0	10,300 12,500 12,500	SC 28119* SF 31319 SC 31319*	9/32 5/16 5/16
△ □ □	29.4 29.4 41.0	17,500 17,500 22,500	SF 37519 SC 37519* SC 43819	3/8 3/8 7/16
□ □ □	52.1 67.0 85.5	30,000 36,200 47,000	SC 50019 SC 56319 SC 62519	1/2 9/16 5/8
□	124.0	51,750	SC 75019	3/4

This is the cable used to manufacture CC-45

**CABLE CLAMP SPECIFICATIONS**  
**SMALLEABLE WIRE ROPE CLIPS/GALVANIZED**  
**SPECIFICATIONS for CONCRETE CABLE MATS**



**Right Way**

Malleable, galvanized wire rope clips. Standard clips are designed for maximum holding strength. Heavy duty construction throughout. For in-between sizes such as 5/32", 7/32", etc., use next size larger clip.

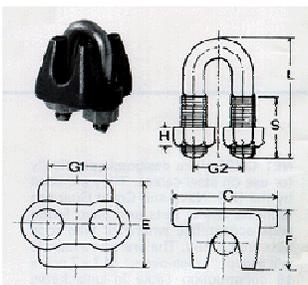
Wire rope clips of the type on this page are not to be used on plastic coated cable without first stripping off plastic. Wire rope clips must be installed over bare cable only.

Recommended			
Part Number	To Fit Cable Dia	To give Maximum Strength	Estimated Weight Per 100 In Lbs.
CP 2-4P *	1/8"	2	3.0
CP 2-6P *	3/16"	2	6.0
CP 2-8P *	1/4"	3	12.7
CP 2-10P *	5/16"	3	13.2
CP 2-12P*	3/8"	4	20.4
CP 2-14P*	7/16"	4	22.0
CP 2-16P*	1/2"	4	35.0

(All Dimensions in Inches Except Nut Sizes)											
Part No.	To fit Cable Dia. In.	Cable Dia. MM	C	E	F	G-1 & G-2	H	L	S	Nut Size MM	Weight Per 100 pcs.
CP 7-2 *	1/16-5/64-3/32	2	.55	.55	.44	.28	.094	.71	.39	3	2.2
CP 7-4 *	1/8-5/32	4	.75	.71	.55	.39	.125	.95	.51	4	3.3
CP 7-6 *	3/16-7/32	6	1.10	.87	.71	.55	.197	1.30	.59	6	7.7
CP 7-8 *	1/4-9/32	8	1.38	1.10	.83	.71	.250	1.56	.79	8	17.6
CP 7-10 *	5/16-3/8	10	1.78	1.38	.95	.87	.315	1.97	1.10	10	30.8

**Rugged Stainless Steel Saddles with grooved deep recess to hold cable securely. Stainless Steel U Bolt and Nuts. Use Clips as recommended above (under Malleable Clips) to give maximum strength.**

**NOTE: THE NUTS ON THESE CLIPS ARE METRIC SIZES!**



## **Piling Specifications**

**Piling shall be nonpolluting material meeting the NJDEP specifications, 30' long with minimum 6" tip and 8" butt. Material data sheets or catalog information shall be submitted with bid package.**

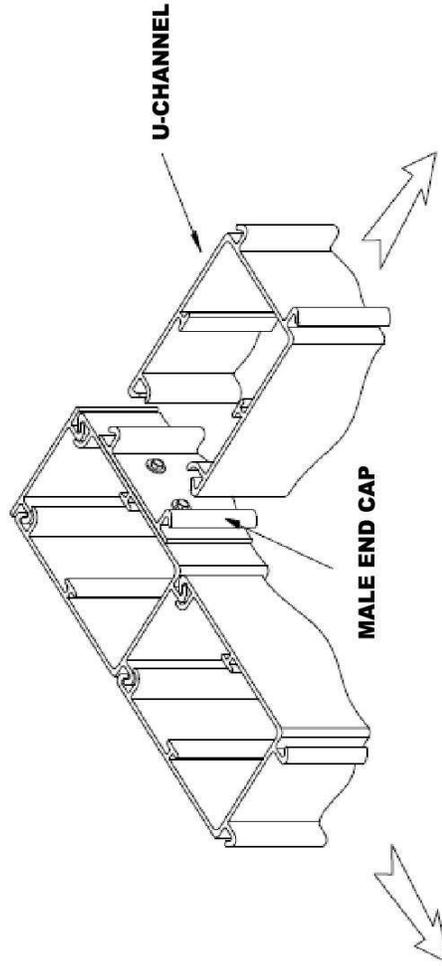
**Top of pile shall be set at elevation 10.00 NAVD 1988.**

## Bulkhead Specifications

Bulkhead used shall be Truline vinyl bulkhead Series 800 as manufactured by **TRULINE LLC**, 1415 Panther Lane, Suite 234, Naples, Florida 34109 (239-591-6234) or approved equal. Sheets shall be 10' long and be installed as shown on the plans.

**TRULINE**<sup>®</sup>  
The Innovative Hybrid Sheet Piling System

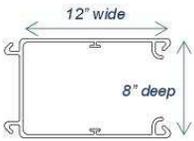
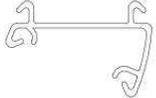
**Drawing 109**  
basic 90 degree corner/return



**To create a 90 degree corner/ return anywhere on the wall, simply pre-attach a male end cap to the u-channel face with stainless steel bolts, nut and flat washers on 24" centers prior to driving the u-channel. You can then begin driving u-channel parts starting on this end cap as shown.**

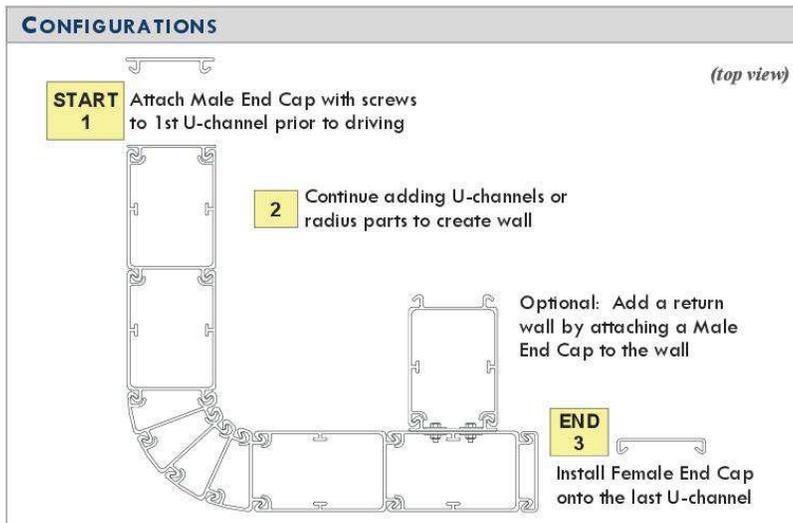
[www.truline.us](http://www.truline.us)  
©2014 Truline LLC. Truline is a registered trademark of Truline LLC.  
US Patent No. 7,623,718. Other patents pending. All rights reserved.

The Innovative Hybrid Sheet Piling System

PARTS: 800 Series			
Part	Part No.	Name	Recycled Content %
	<b>800</b>	<b>U-Channel</b> (12" wide x 8" deep) (304.8mm x 203.2mm)	92.5 %
	<b>801</b>	<b>Female End Cap</b> (Attaches to the last installed u-channel or radius.)	88.7 %
	<b>802</b>	<b>Male End Cap</b> (Attaches to the first u-channel prior to installation.)	89.8 %
	<b>803</b>	<b>22.5° Radius</b>	93.3 %
	<b>804</b>	<b>Cross Tie</b>	98.0 %
	<b>805</b>	<b>5° Radius</b>	93.5 %

**Post-Industrial Recycled Material Content % by Wt. — Installed Mix 92.5%**

Note that since the u-channel accounts for the vast majority of pounds used for any given installation, assuming no cross ties are used, the recycled content for the mix of products used in a typical wall is essentially the same as the recycled content of the u-channel itself.



## **Coir Log Installation**

- 1. Final grade should be smooth, free of rocks, sticks, and existing vegetation. Do not install vegetated coir logs on hard, compacted soil.**
- 2. Logs should maintain solid contact with the soil and be installed in a manner that minimizes gaps between the bottom of the log and the underlying substrate.**
- 3. Install logs at the approximate normal water level. Between 1/3 to 2/3 of the log should be submerged.**
- 4. If installing non-vegetated, pre-drilled logs, install them with the holes on top for later planting.**
- 5. Drive alternately spaced hardwood stakes into the soil along either side of the log until the top of the stake is approximately 4" above the log. The stakes should be between 6 to 8' long, depending upon application, a minimum of 1.25" thick, and spaced 2 to 3' apart..**
- 6. Notch hardwood stakes approximately 4" below the top of the log deep enough to fit a 3/16" nylon rope. Crisscross the rope over the top of the log. When complete, drive stakes down until rope is tight against the log. Cut off excess from stakes so that they are flush with the top of the installed log.**
- 7. If installing multiple logs, install all at the same elevation along the water line. Couple adjacent logs together with supplemental rope, wire ties, or cable ties.**
- 8. Supplemental plantings can be installed within the log, on the front and back sides, if desired.**

**Shall be paid for under Living Shoreline Plantings (provide 7 – 30' long logs)**

## **Living Shoreline Planting**

**Spartina alterniflora (2" plugs) will be installed at 12" centers within the proposed living shoreline area between elevation -2.41 (MLWL) and elevation 1.47 (MHWL).**

**Spartina patens (2" plugs) will be installed at 12" centers within the proposed living shoreline area between elevation 1.47 (MHWL) and 2.25.**

**Baccharis halimifolia and Iva frutescens (18"-24" – No. 1 containers) will be installed at 5-foot centers above elevation 2.25.**

**Plant material shall be obtained from an approved nursery located in the same hardiness zone as the project site and within a one hundred mile radius of the project site.**

**Nursery managers should be given advance notice of site water's salinity levels (in PPT) in order for the plants to be acclimated to the proper level prior to shipping and installation.**

Plant material will be inspected upon arrival at the job site for conformity to these specifications. Contractor will provide a delivery schedule at least 10 days before the first day of delivery. Plants will be rejected for heat-stressed, dry, moldy, or yellow plugs. Plant material must be installed within 3 days of delivery.

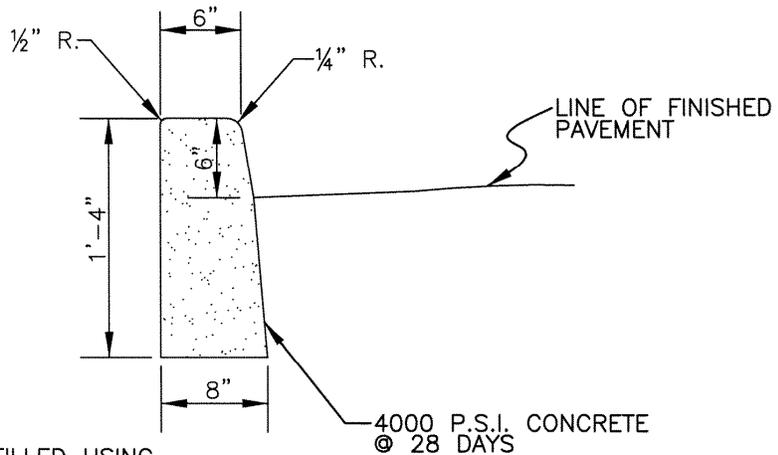
### **Plant Installation**

The herbaceous plantings must be installed between April 15th and May 15th.

The woody species may be installed between April 15th and June 15th or between September 15th and October 15th.

Herbaceous plantings shall be installed by during low tide events and by creating a hole with a spade or dibble, placing the plants in the hole and firmly packing the soil around them.

Woody shrubs to be installed by creating a hole with a shovel or gas powered hand held auger.



NOTE:  
CURB TO BE BACKFILLED USING  
SUITABLE EXISTING MATERIALS  
OR RECYCLED CONCRETE  
AGGREGATE.

NOTE:  
EXPANSION JOINTS SPACED  
AT 20'-0" O.C. AND OPEN  
JOINTS SPACED AT 10'-0"

## CONC. CURB DETAIL

N.T.S.

PREPARED BY:



UPPER TOWNSHIP ENGINEER'S OFFICE  
2100 TUCKAHOE ROAD, P.O. BOX 205  
TUCKAHOE, N.J. 08250-0205  
609-628-2011 FAX 609-628-3092  
email: engineer@uppertownship.com

PAUL E. DIETRICH, SR  
PROFESSIONAL ENGINEER  
N.J.P.E. LICENSE NO. 41738

PAVING PROJECT  
DETAIL SHEET

TOWNSHIP OF UPPER  
CAPE MAY COUNTY, NEW JERSEY

DRAWN: PED

CHECKED:

DATE: 5/27/05

SCALE: N.T.S.

SHEET 2 OF 3

DWG. NO.:

## Notice

TO ALL PUBLIC WORKS EMPLOYERS:

Please be advised that effective February 18, 1992 Regulation N.J.A.C. 12:60-2.1 and 6.1 of the New Jersey Prevailing Wage Act, N.J.S.A. 34:11-56.25 et seq requires that certified payroll records must be submitted to the public body for each employee on the project. The General Contractor is responsible for ensuring that each sub-contractor submits the certified payroll within ten (10) days of the payment of wages. The public body shall receive, file and make available for inspection during normal business hours the certified payroll records.

A copy of the certified payroll form may be obtained by contacting the New Jersey Department of Labor, Division of Workplace Standards, Public Contracts Section, CN 389, Trenton, NJ 08625-0389, telephone (609) 292-2259.

## **Contractor Registration Advertisement**

### **Public Works Projects**

A new law, known as "The Public Works Contractor Registration Act" (P.L. 1999, c.238), will become effective April 11, 2000. Under the Act, no contractor/subcontractor will be permitted to bid on or engage in any contract for public work, as defined in section 2 of P.L. 1963, c. 150 (C.34:11-56.26), unless that contractor/subcontractor is registered with the New Jersey Department of Labor. The Act provides that upon registration with the Department, a public works contractor/subcontractor will be issued a certificate by the Department indicating compliance with the Act's requirements. The registration fee has been set at \$300 per year. Upon the effective maintenance shall be regarded as active date of the Act, public bodies will be expected to request production of such a certificate from those bidding on or engaging in public works projects.

It is important to note that the term "contractor," is defined in the Act as, "a person, partnership, association, joint stock company, trust, corporation or other legal business entity or successor thereof who enter into a contract which is subject to the provision of the "New Jersey Prevailing Wage Act," P.L. 1963, c.150 (C.34:11-56.25, et seq.) for the construction, reconstruction, demolition, alternation, repair or maintenance of a public building regularly open to and used by the general public or a public institution, and includes any subcontractor or lower tier subcontractor as defined herein, except that, for the purposes of the act, no pumping station, treatment plant or other facility associated with utility and environmental construction, reconstruction, demolition, alteration, repair or maintenance shall be regarded as a public building regularly open to and used by the general public or a public institution."

Registration forms, copies of the Act, and other relevant information will be available January 2000. To be placed on our mailing list please contact:

Contractor Registration Unit  
New Jersey Department of Labor  
Division of Wage & Hour Compliance  
PO Box 389  
Trenton, NJ 08625-0389

Telephone: (609) 292-9464  
Fax: (609) 633-8591  
Email: [contreg@dol.state.nj.us](mailto:contreg@dol.state.nj.us)

**EXHIBIT A**  
**AMERICANS WITH DISABILITIES ACT OF 1990**  
**Equal Opportunity for Individuals with Disability**

The contractor and the \_\_\_\_\_ of \_\_\_\_\_, (hereafter "owner") do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S121 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim, If any action or administrative proceeding is brought against the owner or any of its agents, servants, and employees, the *owner shall* expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the owner or its representatives.

It is expressly agreed and understood that any approval by the owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the owner pursuant to this paragraph.

It is further agreed and understood that the owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

(REVISED 9/07)

**EXHIBIT B**

**MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE**

**N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)**

**N.J.A.C. 17:27**

**CONSTRUCTION CONTRACTS**

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

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such action shall include, but not be limited to the following: employment, up-grading, 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 Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it 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 this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer, pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

When hiring or scheduling workers in each construction trade, the contractor or subcontractor agrees to make good faith efforts to employ minority and women workers in each construction trade consistent with the applicable employment goal prescribed by N.J.A.C. 17:27-7.3; provided, however, that the Division may, in its discretion, exempt a contractor or subcontractor from compliance with the good faith procedures prescribed by the following provisions, A, B and C, as long as the Division is satisfied that the contractor or subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Division, that its percentage of active "card carrying" members who are minority and women workers is equal to or greater than the applicable employment goal established in accordance with N.J.A.C. 17:27-7.3. The contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

(A) If the contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor shall, within three business days of the contract award, seek assurances from the union that it will cooperate with the contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et. seq., as supplemented and amended from time to time and the Americans with Disabilities Act. If the contractor or subcontractor is unable to obtain said assurances from the construction trade union at least five business days prior to the commencement of construction work, the contractor or subcontractor agrees to attempt to hire or schedule minority and women workers directly, consistent with the applicable employment goal. If the contractor's or subcontractor's prior experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility that the trade union will not refer sufficient minority and women workers consistent with the applicable employment goal, the contractor or subcontractor agrees to be prepared to hire or schedule minority and women workers directly, consistent with the applicable employment goal, by complying with the hiring or scheduling procedures prescribed under (B) below; and the contractor or subcontractor further agrees to take said action immediately if it determines or is so notified by the Division that the union is not referring minority and women workers consistent with the applicable employment goal.

(B) If the hiring or scheduling of a workforce consistent with the employment goal has not or cannot be achieved for each construction trade by adhering to the procedures of (A) above, or if the contractor does not have a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor agrees to take the following actions consistent with the applicable county employment goals:

(1) To notify the public agency compliance officer, the Division, and minority and women referral organizations listed by the Division pursuant to N.J.A.C. 17:27-5.3, of its workforce needs, and request referral of minority and women workers;

(2) To notify any minority and women workers who have been listed with it as awaiting available vacancies;

(3) Prior to commencement of work, to request that the local construction trade union refer minority and women workers to fill job openings, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade;

(4) To leave standing requests for additional referral to minority and women workers with the local construction trade union, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment Service and other approved referral sources in the area until such time as the workforce is consistent with the employment goal;

(5) If it is necessary to lay off some of the workers in a given trade on the construction site, to assure, consistent with the applicable State and Federal statutes and court decisions, that sufficient minority and women employees remain on the site consistent with the employment goal; and to employ any minority and women workers laid off by the contractor on any other construction site on which its workforce composition is not consistent with an employment goal established pursuant to rules implementing N.J.S.A. 10:5-31 et. seq.;

(6) To adhere to the following procedure when minority and women workers apply or are referred to the contractor or subcontractor:

(i) If said individuals have never previously received any document or certification signifying a level of qualification lower than that required in order to perform the work of the construction

trade, the contractor or subcontractor shall determine the qualifications of such individuals and if the contractor's or subcontractor's workforce in each construction trade is not consistent with the applicable employment goal, it shall hire or schedule those individuals who satisfy appropriate qualification standards. However, a contractor or subcontractor shall determine that the individual at least possesses the requisite skills, and experience recognized by a union, apprentice program or a referral agency, provided the referral agency is acceptable to the Division. If necessary, the contractor or subcontractor shall hire or schedule minority and women workers who qualify as trainees pursuant to these rules. All of the requirements, however, are limited by the provisions of (C) below.

(ii) If the contractor's or subcontractor's workforce is consistent with the applicable employment goal, the name of any interested women or minority individual shall be maintained on a waiting list for the first consideration, in the event the contractor's or subcontractor's workforce is no longer consistent with the applicable employment goal.

(iii) If, for any reason, said contractor or subcontractor determines that a minority individual or a woman is not qualified or if the individual qualifies as an advanced trainee or apprentice, the contractor or subcontractor shall inform the individual in writing of the reasons for the determination, maintain a copy of the determination in its files, and send a copy to the public agency compliance officer and to the Division.

(7) To keep a complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Division and submitted promptly to the Division upon request.

(C) The contractor or subcontractor agrees that nothing contained in (B) above shall preclude the contractor or subcontractor from complying with the union hiring hall or apprenticeship policies in any applicable collective bargaining agreement or union hiring hall arrangement, and, where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement. However, where the practices of a union or apprenticeship program will result in the exclusion of minorities and women or the failure to refer minorities and women consistent with the county employment goal, the contractor or subcontractor shall consider for employment persons referred pursuant to (B) above without regard to such agreement or arrangement; provided further, however, that the contractor or subcontractor shall not be required to employ women and minority advanced trainees and trainees in numbers which result in the employment of advanced trainees and trainees as a percentage of the total workforce for the construction trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also, the contractor or subcontractor agrees that, in implementing the procedures of (B) above, it shall, where applicable, employ minority and women workers residing within the geographical jurisdiction of the union.

After notification of award, but prior to signing a construction contract, the contractor shall submit to the public agency compliance officer and the Division an initial project workforce report (Form AA 201) provided to the public agency by the Division for distribution to and completion by the contractor, in accordance with N.J.A.C. 17:27-7. The contractor also agrees to submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of this contract to the Division and to the public agency compliance officer.

The contractor agrees to cooperate with the public agency in the payment of budgeted funds, as is necessary, for on-the-job and/or off-the-job programs for outreach and training of minorities and women.

(D) The contractor and its subcontractors shall furnish such reports or other documents to the Division of Contract Compliance & EEO as may be requested by the Division from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Contract Compliance & EEO for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code (NJAC 17:27)**.