

SUPPLEMENTARY SPECIFICATIONS
FOR
ADA CURBS AND SIDEWALK ACCESS IMPROVEMENTS
FOR YEAR 2014

PROJECT NO. E 14-012
CITY OF JERSEY CITY

DEPARTMENT OF H.E.D.C.
DIVISION OF COMMUNITY DEVELOPMENT
COMMUNITY DEVELOPMENT BLOCK GRANT PROJECT

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**CITY OF JERSEY CITY
STANDARD
SUPPLEMENTARY SPECIFICATIONS**

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ABBREVIATIONS

Abbreviations of names of Associations, Institutes or Agencies used throughout the Contract Documents are as follows:

AASHTO	American Association of State Highway and Transportation Officials
ACGIH	American Conference of Governmental Industrial Hygienists
ACI	American Concrete Institute
AGA	American Gas Association
AIA	American Insurance Association
AISC	American Institute of Steel Construction, Incorporated
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
APHA	American Public Health Association
API	American Pipe Institute
AREA	American Railway Engineering Association
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Incorporated
ASME	American Society of Mechanical Engineers
ASSE	American Society of Sanitary Engineering
ASTM	American Society for Testing and Materials
AWPA	American Wood-Preservers' Association
AWPB	American Wood Preservers' Bureau

ABBREVIATIONS

AWS	American Welding Society
AWWA	American Water Works Association
BOG&T	Bureau of Geology and Topography, State of New Jersey
CIPRA	Cast Iron Pipe Research Association
CISPI	Cast Iron Soil Pipe Institute
CRSI	Concrete Reinforcing Steel Institute
EEI	Edison Electrical Institute
EIA-J	Electronic Industries Association - Japan
EPA	Environmental Protection Agency of the United States Government
FEDSPEC	Federal Specification
FS	Federal Specification, General Services Administration
IEEE	Institute of Electrical and Electronics Engineers
IMSA	International Municipal Signal Association
IPCEA	Insulated Power Cable Engineers Association
JCIA	Jersey City Incinerator Authority
JCMUA	Jersey City Municipal Utilities Authority
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NJAC	New Jersey Administrative Code

ABBREVIATIONS

NJDEPE	New Jersey Department of Environmental Protection and or Energy
NJDEP	Formerly New Jersey Department of Environmental Protection)
NJDOT	New Jersey Department of Transportation
NJSA or NJS or NJRS	New Jersey Statutes Annotated
NJSS or SS	New Jersey Department of Transportation, Standard Specifications for Road and Bridge Construction, 2007, as currently amended. Also called Standard Specifications
NSF	National Sanitation Foundation
OSHA	Occupational Safety and Health Administration
PCI	Precast/Prestressed Concrete Institute
PSE&G	Public Service Electric & Gas Company
SCS	Soil Conservation Service (Local Agency; Hudson-Essex-Passaic Soil Conservation District)
SSPC	Steel Structures Painting Council
UL	Underwriters Laboratories Incorporated
USDOTFHA	United States Department of Transportation Federal Highway Administration
WPCF	Water Pollution Control Federation

UTILITY CONTACTS

Listed below are the major and most common utility companies which have utilities located within the City of Jersey City. The names of their representatives are shown for your information.

Before any digging, the Contractor must call 811 OR 800 -272-1000 for a markout of all existing underground utilities within project limits.

GAS

**Public Service Electric & Gas
Gas Distribution, Central Gas Div.**
444 St. Paul's Avenue
Jersey City, New Jersey 07306
Jim Cavanaugh, Distribution Supervisor
(201) 420 - 3950

STORM & SANITARY SEWER

**J.C. Municipal Utilities Authority
Bureau of Sewer Engineering**
555 Route 440
Jersey City, New Jersey 07305
Richard Haytas
Maintenance Supervisor
(201) 432 - 1150

ELECTRIC

**Public Service Electric & Gas Co.
Electric, Palisades Division**
325 County Avenue
Secaucus, New Jersey 07094
Sue Woodell
Engineering Support
(201) 330-6456
Marcella Castillo,
Service Consultant
(201) 330-6558

CABLE TV

Comcast, Freedom region
2121 Kennedy Boulevard
Jersey City, New Jersey 07305
Kevin Davis
Construction Coordinator
Office: (201) 526-9978 Ext. 6290978
Cell:(201) 522-4437

TELEPHONE

Verizon - New Jersey, Inc.
1500 Teaneck Road 2nd Floor
Teaneck, New Jersey 07666
Dwight Green, OSP Engineer
Network-VSO
(201) 567-6366

WATER (OWNER)

**J. C. Municipal Utilities Authority
Bureau of Water Engineering**
555 Route 440
Jersey City, New Jersey 07305
Rajiv Prakash, Senior Engineer
(201) 209-0319

UTILITY CONTACTS

WATER (MANAGER)
UNITED WATER JERSEY CITY

233 Coles Street (At 13th Street)
Jersey City, New Jersey 07302

Ed Collis, Superintendent
T&D Operations
(201) 459 - 1826

**TRAFFIC SIGNALS/LOOP DETECTORS/
VIDEO IMAGE DETECTORS**

City of Jersey City
Division of Architecture, Engineering, Traffic and
Transportation

13-15 Linden Ave East
Jersey City, New Jersey 07305

Joao D' Souza.
(201) 547- 4470
JOAO@jcnj.org

NOTICE TO BIDDERS

NOTICE TO BIDDERS

Sealed bid proposals will be received, opened and read in public by the Purchasing Agent at 394 Central Ave., 2nd Floor in Jersey City, New Jersey 07307 on __, at _____.

Prevailing time, or as soon thereafter as the matter can be reached, for the:

ADA CURBS AND SIDEWALK ACCESS IMPROVEMENTS FOR YEAR 2014

PROJECT NO. 14-012E CITY OF JERSEY CITY

Questions by prospective bidders concerning this bid must be done on-line at www.bidsync.com.

Contract Documents, Specifications, and Bid Forms may be downloaded by going on-line to www.bidsync.com . Bid Plans/Drawings may be obtained at the Office of the Director of Purchasing, 394 Central Avenue, Suite 2, Jersey City, New Jersey 07307, (201-547-5155).

Prospective bidders must download bid specifications and all addendums from www.Bidsync.com. Failure to download bid specifications and acknowledge receipt of addendums may result in bid rejection.

This project involves pedestrian crossing improvements to existing street intersections. Work associated with this project includes construction of new ADA compliant handicapped curb ramps with cast in place detectable warning surface, concrete sidewalk and curb in kind, catch basin, new catch basin castings, reset and or relocation of existing junction box, and crosswalk striping. The major items in the contract include 1500 L.F. of concrete curb and 1400 S.Y. of concrete sidewalk. This project is being funded by a CDBG grant and must be completed within Two Hundred Ten (210) calendar days from the date of the notice to proceed.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27. Full requirements of the Equal Employment Opportunity and Affirmative Action Program are incorporated herein by reference and may be obtained with Proposal form. Bidders are also required to comply with the requirements of P.L. 2004, c.57 (N.J.S.A. 52:32-44) which includes the requirement that contractors provide copies of their Business Registration Certificates issued by the New Jersey Department of the Treasury as well as other provisions as listed in the Contract Documents.

Proposals **MUST BE ACCOMPANIED** by a Bid Bond or Certified Check, made payable

to the City of Jersey City, in an amount equal to Ten (10%) percent of the Bid.

Each Bidder shall submit with his proposal submittal Item Nos. one (1) through fifteen (15) listed in the Schedule of Submittals by Bidder on Page SRS-1 of the General Conditions.

Bids may be submitted in person, or may be sent by U.S. certified mail return receipt requested, or may be sent by private courier service. Mail bids to: Peter Folgado, Purchasing Agent, RPPO, QPA, Division of Purchasing, 394 Central Avenue, Second Floor, Jersey City, New Jersey 07307. Bids sent by mail must be received by the Purchasing Agent no later than 4:00 P.M. on the last City business day before the day of the bid reception. Bids sent by courier service must be delivered to the Purchasing Agent no later than 11:00 A.M. on the day of the bid reception. The City shall not be responsible for the loss, non-delivery or physical condition of bids sent by mail or courier service. Bids must be submitted individually in a sealed envelope addressed to the Purchasing Agent. Bid proposals must comply with specifications.

The Purchasing Agent reserves the right to reject any and all bids received, or portions thereof, if deemed to be in the best interest of the City to do so.

INFORMATION TO BIDDERS

INFORMATION TO BIDDERS

1. INTENT OF CONTRACT DOCUMENTS:

Under these Specifications and the Contract which will be based thereon, it is proposed that the Bidder shall furnish all materials, equipment, tools, labor and supervision necessary to complete the Work upon which he bids in strict accordance with the Plans and Specifications.

The intent of the Contract Documents is to obtain a complete job, satisfactory to the Engineer. It shall be understood that the Bidder has satisfied himself as to the full requirements of the Contract Documents and has based his Proposal upon such understanding.

2. TERMS:

When the following terms are used in the Contract Documents, the intent and meaning shall be as follows:

ACCEPTANCE: The term "Acceptance" means the formal written acceptance of the Project by the Municipal Engineer which has been completed in all respects in accordance with the Contract Documents.

AWARD: The term "Award" means the decision of the City Council to accept the Proposal of the lowest responsible Bidder, subject to the execution and approval of a satisfactory Contract based thereon and Bonds to secure the performance thereof, and such conditions as may hereinafter be specified or as may be specified or required by law.

BY OTHERS: The term "by others" refers to a person, firm or corporation other than the Contractor or its surety or persons, firms or corporations in a contractual relationship with the Contractor or the Surety, such as a Subcontractor, supplier, fabricator or consultant at any tier. "By others" shall include the City or other public body.

CITY: The term "City" refers to the City of Jersey City, a Municipal Corporation and body politic of the State of New Jersey, with its principal office at City Hall, 280 Grove Street, Jersey City, New Jersey 07302-3698.

CITY COUNCIL: The term "City Council" refers to the governing body, as created by law, for the City of Jersey City.

CONTRACT: The term "Contract" means the entire and integrated agreement between the parties thereunder and supersedes all prior negotiations, representations or agreements, either written or oral. The Contract Documents form the Contract between the City and the Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the Work and the basis of payment.

CONTRACTOR: The term "Contractor" means the individual, partnership, firm, corporation, or any acceptable combination thereof contracting with the City for performance of the prescribed Work. Throughout the Contract Documents the Contractor is referred to as if singular in number. The term "Contractor" means the Contractor or the Contractor's authorized representative.

DEPARTMENT: The term "Department" means the Department of Administration, Division of Engineering, Traffic and Transportation of the City of Jersey City, State of New Jersey.

ENGINEER: The term "Engineer" means the Municipal Engineer, acting directly or through his duly authorized representatives, such representatives acting within the scope of the particular duties delegated to them.

Note: In order to avoid repetition, whenever the following words are used, it shall be understood as if they were followed by the words "to the Engineer" or "by the Engineer":

"acceptable, accepted, added, allowed, applied, approved, assumed, authorized, awarded, calculated, charged, checked, classified, computed, condemned, conducted, considered, considered necessary, contemplated, converted, deducted, deemed, deemed necessary, deleted, designated, determined, directed, disapproved, divided, documented, established, evaluated, examined, excluded, furnished, given, granted, included, incorporated, increased, indicated, inspected, insufficient, issued, made, marked, measured, modified, monitored, notified, observed, obtained, opened, ordered, paid, paid for, performed, permitted, provided, received, recorded, reduced, re-evaluated, rejected, removed, required, reserved, retested, returned, sampled, satisfactory, scheduled, specified, stopped, submitted, sufficient, suitable, supplied, suspended, taken, tested, unacceptable, unsatisfactory, unsuitable or used".

MUNICIPAL ENGINEER: The term "Municipal Engineer" refers to the Municipal Engineer of the City of Jersey City.

PRESIDING OFFICER: The Purchasing Agent or his designee in charge of receipt of Bids. The Presiding Officer opens each meeting for the receipt of Bids and declares when the receipt of Bids has been closed.

PRECONSTRUCTION CONFERENCE: The initial project meeting conducted by the Engineer, normally held after Award of the Contract and prior to the start of Work. A separate utility preconstruction conference may be scheduled. The Contractor shall attend preconstruction conferences.

PROPOSAL: The term "Proposal" means the offer of a Bidder, properly signed and guaranteed, on the prepared form furnished by the City, to perform the work at the prices therein.

PROPOSAL BOND: The term "Proposal Bond" or "Bid Bond" means the security furnished with a Bid to guarantee that the Bidder shall enter into the Contract if awarded the Contract.

PURCHASING AGENT: The term "Purchasing Agent" refers to the Purchasing Agent of the City of Jersey City.

SUPERINTENDENT: The Contractor's authorized representative responsible for and in charge of the work. The Superintendent shall be authorized to receive all communications from the City.

SUPPLEMENTARY AGREEMENT: The term "Supplementary Agreement" means a bilateral agreement between the City and the Contractor, executed on a Change Order form, setting forth the negotiated terms and conditions where under changes are to be accomplished, including negotiated adjustments in compensation and time relative to the subject of the agreement excepting only those instances wherein the agreement recites specific exceptions.

WILL: Designates an action to be taken by the City, the Department, the Municipal Engineer, the Engineer or any authorized representative, unless otherwise indicated.

Wherever in the above Standard Specifications reference to the State, Commissioner, Department, Engineer or Inspector is made, it shall be understood to mean the corresponding City of Jersey City municipal body or official whose powers correspond to those of the State body or official therein referred to or their designated representative.

3. FAMILIARITY WITH WORK:

It is the obligation of the Bidder to ascertain for himself all the facts concerning conditions to be found at the location of the Project including all physical characteristics above and/or below the surface of the ground, to fully examine the Plans, Bid Documents, Estimate of Quantities contained in the Schedule of Prices, to read the Specifications, thoroughly and completely, to consider fully these and all other matters which can in any way affect the Work under the Contract and to make the necessary investigations relating thereto; and he agrees to this obligation in the signing of the Contract. The City assumes no responsibility whatsoever with respect to ascertaining for the Bidders such facts concerning physical characteristics at the location of the Project. The Bidder agrees that he shall make no claim for additional payment or extension of time for completion of the Work or any other concession because of any misinterpretation or misunderstanding of the Contract, on his part, or of any failure to fully acquaint himself with all conditions relating to the Work.

4. PLANS AND SPECIFICATIONS:

The Project shall be performed in strict accordance with the requirements of the Plans and Specifications, subject to Addenda issued by the Municipal Engineer in writing. The Plans and Specifications are intended to complement and supplement each other. Any Work required by either of them and not by the other shall be performed as if denoted both ways. Should any Work be required which is not denoted in the Specifications or on the Plans because of an obvious omission but which is nevertheless necessary for the proper performance of the Project, such Work shall be performed as fully as if it were described and delineated. Should there be any conflict between the Plans and Specifications, it shall be resolved according to Section 23 INTENT OF PLANS AND SPECIFICATIONS.

Unless specifically modified therein, the quality of all material furnished and the manner of doing the Work and of paying therefore shall be governed by the applicable requirements of the 2007 New Jersey Department of Transportation "Standard Specifications for Road and Bridge Construction", as currently amended; and are hereby made part of these Specifications and the Contract to be based thereon, as though they were textually incorporated therein.

5. INTERPRETATIONS OR ADDENDA:

Should a Bidder find discrepancies or omissions from the Plans, Specifications, or Contract Documents, or should he be in doubt as to their meaning, he shall at once notify the Municipal Engineer in writing at the Division of Engineering, Traffic and Transportation 575 Route 440, Jersey City, New Jersey 07305. No oral interpretation will be made to any Bidder as to the meaning of the Contract Documents or any part thereof. Every request for such interpretation shall be in writing and to be given consideration, must be received at least seven (7) calendar days prior to the date fixed for the opening of Bids, to allow the Municipal Engineer to issue an Addendum prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplemental instructions or any addition of Items

will be in the form of written Addenda to the Specifications which, if issued, will be mailed by certified mail with return receipt requested to all Prospective Bidders (at the respective addresses furnished for such purpose). All Addenda so issued shall become part of the Contract Documents and shall be read immediately prior to the opening of the Bids by the Purchasing Agent who shall give each Bidder or his representative present an opportunity to withdraw his Bid before any Bids are opened. Any objection arising out of an Addendum subsequent to the opening of Bids will not be considered. Failure of any Bidder to receive any such Addendum or interpretation or to attend the reading of the Bids shall not relieve such Bidder from any obligation under his Bid as submitted, including such Addenda. The City will not be responsible for any other explanations or interpretations of the Contract Documents.

6. SUBSURFACE CONDITIONS:

It is the obligation of the Bidder to make his own investigations of subsurface conditions prior to submitting the Proposal. Borings, test excavations and other subsurface investigations, if any, made by the City prior to the construction of the Project, the records of which may be available to the Bidders, are made for use only as a guide for design. Said borings, test excavations and other subsurface investigations are not warranted to show the actual subsurface conditions.

Any interpretations of the City's subsurface investigation records made by the Bidder as to the types, characteristics, quantity and quality of any subsurface material or condition shall be at the sole risk of the Bidder.

The Bidder agrees that he shall make no claims against the City, if in carrying out the Project he finds that the actual conditions encountered do not conform to those indicated by said borings, test excavations and other subsurface investigations.

7. SUBMITTING PROPOSAL:

Each Bid shall be submitted on the prescribed Bid Documents which shall not be removed from the Specifications. All entries shall be in ink or typewritten. Bidders shall submit their Proposals in sealed envelopes. On the outside of the envelope shall be stated the name and address of the Bidder and the name of the Project as shown in the Notice to Bidders.

When the Proposal is made by an Individual, his Post Office Address shall be stated and he shall sign the Proposal; when made by a Firm or Partnership, its name and Post Office Address shall be stated, and the Proposal shall be signed by one or more of the Partners; when made by a Corporation, its name and principal Post Office Address shall be stated and the Proposal shall be signed by an authorized official of the Corporation, with Corporate Seal affixed. Signatures shall be notarized in all cases. Proposals shall be hand delivered to the Purchasing Agent at the time and place stated in the Notice to Bidders; and they will be publicly opened and read aloud on the date, place, and at the time set and stated in the Notice to Bidders.

8. BID DOCUMENTS:

The Bid Documents to be included in the sealed envelope with the Proposal shall include but not be limited to the following:

- * 1. Certificates of Experience of General Contractor.
2. Certificates of Experience of Subcontractors listed on the Plant and Equipment Questionnaire in the Proposal, pursuant to N.J.S.A. 40A:11-16.
- * 3. Plant and Equipment Questionnaire of General Contractor.
4. Plant and Equipment Questionnaire completed by subcontractors required to be named pursuant to N.J.S.A. 40A: 11-16.
5. ~~Financial Statement (for projects with total base bid price of \$1.0 million or greater, the financial statement shall be a Certified Financial Statement prepared within the past 15 months).--(OMIT--)~~
6. Non-Collusion Affidavit.
- *7. Corporation or Partnership Statement.
- *8. Bid Guarantee.
- *9. Consent of Surety.
10. New Jersey Business Registration Certificates of General Contractor and all Subcontractors listed on the Plant and Equipment Questionnaire in the Proposal, pursuant to N.J.S.A. 40A:11-16.
11. Equality Information on Substituted Items (if applicable).
- *12. Written acknowledgement of Addendum (if issued), pursuant to N.J.S.A. 40A:11-23.2(e).
13. Form MWB-3: Minority/Women Business Compliance Plan.
14. Public Works Contractor Registration Certificates for bidder and all subcontractors named in bid proposal are required pursuant to N.J.S.A. 34:11-56.48 et seq.
15. Exhibit B: Mandatory Equal Employment Opportunity Language.

Failure to include the Bid Documents listed immediately above that are marked with an asterisk (*) shall result in automatic rejection of the Bid at the time of the Bid reception.

The contractor/bidder and all subcontractors named in the bid proposal must be registered with the Department of Labor pursuant to the Public Works Contractor Registration Act, N.J.S.A. 34:11-56.48 et seq., at the time the bid proposal is received, or the proposal will be determined to be non-responsive and will be rejected. Any non-listed subcontractor must be registered with the Department of Labor prior to physically starting work. A contractor desiring to register should contact the Contractor Registration Unit, Division of Wage and Hour Compliance, New Jersey Department of Labor, P.O. Box 389, Trenton, New Jersey 08625-0389, telephone no. (609) 292-9464, fax no: (609) 633-8591, e-mail: contreg@dol.state.nj.us, website: www.nj.gov/labor/lssse/lspubcon.html.

9. BID GUARANTEE:

Each Proposal shall be accompanied by a Certified Check, Cashier's Check or Bid Bond in the amount of not less than Ten Percent (10%) of the Total Price bid in the Proposal; but in no case need the Certified Check, Cashier's Check or Bid Bond or any combination thereof exceed Twenty Thousand Dollars (\$20,000.00) nor shall it be less than Five Hundred

Dollars (\$500.00). No cash will be accepted. This Certified Check, Cashier's Check or Bid Bond is offered as evidence of good faith and as a guarantee that, if awarded the Contract, the Bidder shall execute the Contract and provide a Performance Bond in the full amount of the Contract.

The Bid Bond is offered as guarantee, made by a Surety Company qualified and authorized to do business in the State of New Jersey and must be signed by an officer or agent of the Surety Company authorized to execute Bid Bonds on behalf of the Surety Company. Included with the Bid Bond must be such documents which indicate that the officer or agent is authorized to execute the Bid Bond. If a Certified Check or Cashier's Check is offered as guarantee, it shall be made payable to the City of Jersey City.

10. CONSENT OF SURETY:

All Bidders shall submit with their Bids a certificate from an approved Surety Company, authorized to do business in the State of New Jersey, stating that it will provide the Bidder with a Performance Bond on such sum as required. The Successful Bidder shall be required to furnish a Surety Company Bond in the amount of the Contract conditioned for the faithful performance thereof.

11. WITHDRAWAL OF PROPOSAL:

A Proposal, after having been submitted, may be withdrawn by the Bidder on a given Project prior to the opening of any Bid on that Project.

N.J.S.A. 40A:11-23.3 authorize a bidder to request withdrawal of a public bid due to a mistake on the part of the bidder. A mistake is defined by N.J.S.A. 40A:11-2(42) as a clerical error that is an **unintentional and substantial computational error or an unintentional omission of a substantial quantity of labor, material, or both from the final bid computation.**

A bidder claiming a mistake under N.J.S.A. 40A:11-23.3 must submit a request for withdrawal, **in writing** by certified or registered mail to: Peter Folgado, Director, Division of Purchasing, 1 Journal Square, Second Floor, Jersey City, New Jersey 07307. The bidder must request withdrawal of a bid due to a mistake, as defined by law, within five business days after the receipt and opening of the bids. Since the bid withdrawal request shall be effective as of the postmark of the certified or registered mailing, Peter Folgado, Director Division of Purchasing may contact all bidders, after bids are opened, to ascertain if any bidders wish to, or already have exercised a request to withdraw their bid pursuant to N.J.S.A. 40A:11-23.3.

A bidder's request to withdraw the bid **shall** contain evidence, including any pertinent documents, demonstrating that a mistake was made. Such documents and relevant written information shall be reviewed and evaluated by the public owner's designated staff pursuant to the statutory criteria of N.J.S.A. 40A:11-23.3.

The City will not consider any written request for a bid withdrawal for a mistake, as defined by N.J.S.A. 40A:11-2(42), by the bidder in the preparation of a bid proposal unless the postmark of the certified or registered mailing is within the five business days following the opening of bids.

12. CAUSES FOR REJECTION:

Proposals from Bidders who are found to be unqualified and Proposals not accompanied by all required and properly completed Bid Documents shall be rejected.

In addition, causes for rejection of Proposals may include but not be limited to the following:

- A. If prices are obviously unbalanced;
- B. If received from Bidders who have previously performed work in an unsatisfactory manner;
- C. If the Purchasing Agent, at his sole discretion, deems it advisable to do so in the best interests of the City;
- D. If conditions, limitations or provisions are attached by a Bidder to his Proposal;
- E. If Proposals are otherwise irregular or the enclosed or accompanying documents are not completed and properly executed;
- F. If the Bidder has not constructed at least three (3) comparable projects within the previous three (3) years;
- G. If the Bidder does not own sufficient or satisfactory equipment to perform the Work.

13. RETURN OF BID GUARANTEES:

The Bid Guarantees of all except the apparent three (3) lowest responsible Bidders on the Project will be returned within ten (10) working days after the opening of Bids. The Bids of such Bidders will be considered as officially withdrawn. Within three (3) working days after awarding the Contract and the approval of the Performance Bond, the Bid Guarantees of the remaining Unsuccessful Bidders will be returned.

Upon execution of the Contract by the Successful Bidder, acceptance by the City of the Performance Bond and the receipt of the Certificates of Insurance, the Bid Guarantee of the lowest Bidder will be returned.

No interest will be paid on any form of Bid Guarantee.

14. AWARD OF CONTRACT:

The Contract, if awarded, will be awarded to the lowest responsible, qualified Bidder whose Proposal complies with the requirements as stated herein. Proposals may be rejected where the prices as bid are obviously unreasonable. Award of the Contract will be made by the City Council.

After the Proposals are opened and read, they will be compared on the basis of the correctly determined summation of the correctly determined products of all the quantities for Pay Items shown in the Proposal multiplied by the Unit Prices Bid together with the sums bid for Lump Sum Pay Items. Award will be made on the basis of the correctly computed Total Bid Price.

Any discrepancy between the Total Bid Price stated in the Proposal and a computation of the Total Bid Price from the Unit Prices written in words in the Proposal will be resolved by recomputing the Total Bid Price based on a multiplication of the Estimated Quantities by the Unit Prices stated in words in the Proposal. The mathematical errors thereby being corrected.

In the event of a discrepancy between the unit price bid for any Pay Item and the extension shown for that Item, the Unit Price written in words shall govern. Where a Unit Price is bid for a Pay Item, but no extension is provided, the Engineer will provide the extension based on the Unit Price bid multiplied by the Estimated Quantity for that Pay item. Where an extension is provided by the Bidder, but no Unit Price appears in the space provided in the Proposal, the Engineer will provide the Unit Price by dividing the extension figure, provided by the Bidder, by the Estimated Quantity. Where no figure is provided by the Bidder in both the space provided for the Unit Price and for the extension for one or more Pay Items, or where no figure is provided for one or more Lump Sum Pay Items, the Engineer will consider the amount bid to be zero (\$0.00) for that Item provided, however, that the City may reject such a bid if this result would be unconscionable and it is shown that the failure to include a bid price was an excusable mistake.

In the event a corporation not incorporated in the State of New Jersey is the lowest bidder, it shall be authorized to do business in New Jersey pursuant to NJSA 14A:15 et seq.

The City may reject any and all Proposals when it determines that it is in the public interest to do so. It reserves the right to waive technicalities or to advertise for new Proposals.

A. BID FOR UNIT PRICES CONTRACT:

The Bidder shall state in the Schedule of Prices the price per unit of measure for each scheduled Item of Work for which he shall agree to carry out the Work; and the Total Price for the performance of the Project, as determined by multiplying each Estimated Quantity contained in the Schedule of Prices by the price per unit of measure bid and adding together the resulting amounts. Unit Prices shall be given in writing and in figures and in the case of variance the prices in writing shall prevail.

B. BID FOR LUMP SUM CONTRACT:

Lump Sum Bid or Base Bid, Alternates and Unit Prices shall all be given in writing and in figures. In case of discrepancy, the amount described in words shall govern. If any of the Alternate(s) listed in the Schedule of Prices does not involve change in price, the Bidder shall so indicate by writing the words "NO CHANGE" on the space provided.

If the Base Bid is within the amount of funds available to finance the Contract and the City wishes to accept Bids on the Alternate(s), then the Contract award will be made to that responsible Bidder submitting the lowest combined Bid, consisting of the Base Bid plus Alternate Bid(s) (applied in the numerical order in which they are listed in the Schedule of Prices). Under this procedure, if the City wishes to award on only the Base Bid, then the Contract will be awarded to that responsible Bidder submitting the lowest Base Bid.

For the purpose of comparison of Bids received, the Total Bid Price, as stated in the Proposal or as corrected in accordance with the above, will be considered to be the amount bid for the Project and award will be made based on that Total Bid Price. The Purchasing Agent may consider informal any Bids not prepared and made in accordance with the provisions stated herein and may waive or reject any or all Bids. Bids containing any conditions, omissions, unexplained erasure or alterations, or items not called for in the Proposal, or irregularities of any kind may be rejected by the City.

The Purchasing Agent will either award the Contract or reject all Proposals received within sixty (60) calendar days after the formal opening of Proposals. The acceptance of a Proposal will be a notice in writing signed by the Purchasing Agent and no other act shall constitute the acceptance of a Proposal.

15. TIME FOR EXECUTING CONTRACT AND LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT:

Any Bidder whose Proposal is accepted shall be required to execute four (4) copies of the Contract, furnish satisfactory Bonds and Certificates of Insurance to the City within ten (10) calendar days after Notice of Award.

The Successful Bidder, upon his failure or refusal to execute and deliver the signed Contract, Bonds and Certificates of Insurance required, within ten (10) calendar days after receipt of the Contract, shall forfeit the Certified Check, Cashier's Check or Bid Bond to the City as liquidated damages for such failure or refusal.

The damages to the City for breach as above provided will include loss from interference with its construction program and other items whose accurate amount will be difficult or impossible to compute. The amount of the Bid Guarantee accompanying the Proposal of such Bidder shall be retained by the City, not as a penalty, but as liquidated damages for such breach. In the event any Bidder whose Proposal has been accepted shall fail, refuse or resist to execute the Contract as hereinbefore provided, the City Council may, as their

option, determine that such Bidder has abandoned the Contract and thereupon his Proposal and the acceptance thereof shall be null and void; and the City shall be entitled to liquidated damages as above provided.

The rights and obligations provided for in the Contract shall become effective and binding upon the parties only with its formal execution by the City. Any Work started or materials delivered prior to said execution of the Contract shall be at the Bidder's risk.

16. PERFORMANCE BOND:

Within ten (10) calendar days of the date of award of the Contract, the Bidder to whom the Contract has been awarded shall furnish and deliver Surety Company Bond, conditioned for the faithful performance and completion of the Work and for the payment of all lawful claims and bills against the Contractor for all labor, material, tools and equipment used in or in connection therewith. The Bond shall not be returned or canceled until all liability to any and all persons protected by the conditions of said Bond shall have been met by the Contractor or person primarily liable for the payment thereof or by the Surety on said Bond.

The Bond, required for the faithful performance of the Contract, shall be in such sum equal to One Hundred Percent (100%) of the Total Contract Price; and shall be satisfactory to the Corporation Counsel of the City; and shall be executed by a Surety Company licensed to do business in the State of New Jersey, in compliance with NJSA 2A:44-143 to 147 and amendments thereof and supplements thereto. In no case shall the Contractor begin Work prior to approval of said Bond by the City.

No separate payment shall be made for the Performance Bond but the costs for this Bond shall be included in the prices bid for the various items scheduled in the Proposal.

17. CERTIFICATES OF INSURANCE:

The Contractor shall also supply to the City, its successors or assigns, at the time the Contract is signed, Certificates of Insurance in such amounts as described elsewhere in these Specifications, which shall be maintained by the Contractor during the life of the Contract. All insurance shall name the City of Jersey City as coinsured.

18. ESTIMATED QUANTITIES AND UNIT PRICES:

The Unit Prices bid in each of the Items included in the Proposal shall cover all costs, of whatever nature, incidental to the Work. In explanation but not in limitation thereof, these costs shall include the cost of all Work, labor, material, equipment, transportation and all else necessary to perform and complete the Project in the manner and within the time required, and all incidental expenses in connection therewith, all costs on account of loss by damage or destruction of the Project, and any additional expenses for unforeseen difficulties encountered, for settlement of damages, and for replacement of defective work and materials.

The Estimate of Quantities specified in the Schedule of Prices covering all Work to be done and materials to be furnished is approximate only and is given solely to be used as a uniform

basis for comparison of Bids. The Engineer reserves the right to increase or diminish any or all quantities, or to omit any, if it is deemed necessary to do so.

If any part is so withdrawn by the City, the Contractor shall have no claim for loss incurred by him for commitments made by him in anticipation of the Work contemplated, or for loss of anticipated profits, or for Work done prior to his having been authorized to proceed therewith.

19. LUMP SUM PRICE:

The Lump Sum Price in the Proposal shall cover all costs, of whatever nature, incident to and growing out of the Work. In explanation but not in limitation thereof, these costs shall include the cost of all Work, labor, material, equipment, transportation and all else necessary to perform and complete the Project in the manner and within the time required, and all incidental expenses for unforeseen difficulties encountered for settlement of damages, and for replacement of defective work and materials.

20. CHANGES - EXTRA WORK FOR UNIT PRICE CONTRACT:

The City, through the Engineer, may at any time desire changes in either the quantity or the quality of Work or materials to be performed or furnished. These changes may be such as to either reduce or to increase quantities specified or may call for Extra Work or materials not contemplated in the original Schedule of Prices in the Proposal.

The City, through the Engineer, may make changes in the Work required to be performed by the Contractor under the Contract by making additions thereto, or by omitting Work therefrom, without invalidating the Contract, and without relieving or releasing the Contractor from any of his obligations under the Contract or any Bonds given by him pursuant to the Contract provisions, and without relieving or releasing the Surety or Sureties of said Bonds. All such changes in the Work will be authorized by written Change Order, the Total Contract Price and the Contract Time being adjusted accordingly; and shall be executed under the terms of the original Contract unless it is expressly provided otherwise. The Change Orders shall be limited to the following types:

- A. Emergency occurrence affecting health, safety or welfare.
- B. Unforeseeable problems.
- C. Minor modifications to effect economics, improve service or resolve minor problems with affected property owners.

When the Extra Work to be performed is of a kind not embraced in the Proposal or being so embraced is to be done at a lesser or greater price or quantity than originally agreed upon, the Contractor shall be furnished a written Change Order signed by the Engineer and approved by the City Council. Said Change Order shall state the Extra Work to be done, the amount to be paid therefor, and the number of additional days, if any, that will be added to the time specified for the completion of the entire Project covered by this Contract.

The price stated in this written Change Order representing the sum to be added to or deducted from the Total Contract Price shall be determined as follows:

- (1) By such applicable Unit Prices, if any, as are set forth in the Contract; or
- (2) If no such Unit Prices are set forth, then by a Lump Sum mutually agreed upon by the City and the Contractor; or
- (3) If no such Unit Prices are so set forth and if the parties cannot agree upon a Lump Sum then by the actual net cost in money to the Contractor of:
 - a. The wages of applied labor, including foreman, required for such Extra Work. Labor rates shall be as per current New Jersey Department of Labor Prevailing Wage Rates plus forty-six (46%) percent of the Prevailing Wage Rate for other direct cost of labor to the Contractor, which includes taxes (eg. FICA, FUTA, SUTA, SDI, etc.), insurance premiums (Workmen's Compensation Insurance, General Liability, etc.), bond premiums (Performance and Payment Bonds, etc.), plus benefits listed in the Prevailing Wage Rates;
 - b. Plus the materials entering permanently into such Extra Work;
 - c. Plus such rental for plant and equipment (other than small tools) required and approved for such Extra Work. The Contractor's equipment rates shall be as per the monthly rates in the current "Blue Book";
 - d. Plus power and consumable supplies for the operation of power equipment required for such Extra Work;
 - e. Plus fifteen (15%) percent of a, b, c and d above as compensation for all other items and profits, and costs or expenses including administration, overhead, superintendence, materials used in temporary structures, allowances made by the Contractor to the Subcontractors, the use of small tools and any other general expenses. The Contractor's compensation for overhead and profit shall be limited to five (5%) percent on Work performed by a Subcontractor. All time and material quantities shall be verified by the Engineer on a daily basis.

When Extra Work is performed under Method 3, the Contractor shall furnish satisfactory bills, certified payrolls and vouchers covering all items of cost, and when required, shall give the Engineer access to accounts relating thereto.

The provisions hereof shall not affect the power of the Contractor to act in case of emergency, as hereinafter provided. Under no circumstances shall the Contractor perform Work in excess of the quantities delineated in the Proposal without a written Change Order issued by the City. The City shall not be liable for any claims for Work performed outside the Contract amounts unless so authorized by a written Change Order.

It is understood and agreed to by the Bidder that any delays necessary to institute a Change Order, resolved by the City Council, shall not be a basis for claims for additional

compensation. Wherever possible the Contractor shall mobilize his forces to construct another portion of the Project while awaiting said written Change Order.

21. CHANGES - EXTRA WORK FOR LUMP SUM CONTRACT:

The City, through the Engineer, may at any time desire changes in either the quantity or the quality of Work or materials to be performed or furnished. These changes may be such as to either reduce or to increase quantities specified or may call for Extra Work or materials not contemplated in the original Schedule of Prices in the Proposal.

The City, through the Engineer, may make changes in the Work required to be performed by the Contractor under the Contract by making additions thereto, or by omitting Work therefrom, without invalidating the Contract, and without relieving or releasing the Contractor from any of his obligations under the Contract or any Bonds given by him pursuant to the Contract provisions, and without relieving or releasing the Surety or Sureties of said Bonds. All such changes in the Work will be authorized by written Change Order, the Total Contract Price and the Contract Time being adjusted accordingly; and shall be executed under the terms of the original Contract unless it is expressly provided otherwise. The Change Orders shall be limited to the following types:

- A. Emergency occurrence affecting health, safety or welfare.
- B. Unforeseeable problems.
- C. Minor modifications to effect economics, improve service or resolve minor problems with affected property owners.

When the Extra Work to be performed is of a kind not embraced in the Proposal or being so embraced is to be done at a lesser or greater price or quantity than originally agreed upon, the Contractor shall be furnished a written Change Order signed by the Engineer and approved by the City Council. Said Change Order shall state the Extra Work to be done, the amount to be paid therefor, and the number of additional days, if any, that will be added to the time specified for the completion of the entire Project covered by this Contract.

The price stated in this written Change Order representing the sum to be added to or deducted from the Total Contract Price shall be determined as follows:

- 1. By such applicable Unit Prices, if any, as are set forth in the Contract; or
- 2. If no such Unit Prices are set forth, then by a Lump Sum mutually agreed upon by the City and the Contractor; or
- 3. If no such Unit Prices are so set forth and if the parties cannot agree upon a Lump Sum, then by the actual net cost in money to the Contractor of:
 - a. The wages of applied labor, including foreman, required for such Extra Work. Labor rates shall be as per current New Jersey Department of Labor Prevailing Wage Rates plus forty-six (46%) percent of the Prevailing Wage Rate for other direct cost of labor to the Contractor, which includes taxes (eg. FICA, FUTA, SUTA, SDI, etc.), insurance premiums (Workmen's Compensation Insurance, General Liability, etc.), bond premiums (Performance and Payment Bonds, etc.), plus benefits listed in the Prevailing Wage Rates;

- b. Plus the materials entering permanently into such Extra Work;
- c. Plus such rental for plant and equipment (other than small tools) required and approved for such Extra Work. The Contractor's equipment rates shall be as per the monthly rates in the current "Blue Book";
- d. Plus power and consumable supplies for the operation of power equipment required for such Extra Work;
- e. Plus fifteen (15%) percent of a, b, c and d above as compensation for all other items and profits, and costs or expenses including administration, overhead, superintendence, materials used in temporary structures, allowances made by the Contractor to the Subcontractors, the use of small tools and any other general expenses. The Contractor's compensation for overhead and profit shall be limited to five (5%) percent on Work performed by a Subcontractor. All time and material quantities shall be verified by the Engineer on a daily basis.

When Extra Work is performed under Method 3, the Contractor shall furnish satisfactory bills, certified payrolls and vouchers covering all items of cost, and when required, shall give the Engineer access to accounts relating thereto.

The provisions hereof shall not affect the power of the Contractor to act in case of emergency, as hereinafter provided. Under no circumstances shall the Contractor perform Work in excess of the quantities delineated in the Proposal without a written Change Order issued by the City. The City shall not be liable for any claims for Work performed outside the Contract amounts unless so authorized by a written Change Order.

It is understood and agreed to by the Bidder that any delays necessary to institute a Change Order, resolved by the City Council, shall not be a basis for claims for additional compensation. Wherever possible the Contractor shall mobilize his forces to construct another portion of the Project while awaiting said written Change Order.

22. SUBSTITUTIONS:

Each Bidder represents that his Proposal is based upon the materials and equipment described in the Bidding Documents.

Where materials are specified by a trade name or manufacturer's model or catalog number, the name product shall be constructed to read " or equivalent", If a Bidder substitutes any material, other than those named in the Specifications, such material shall be equivalent in all respects to the named products specified. The burden of submitting adequate information to prove equivalency of substituted materials shall be the responsibility of the Contractor.

All information necessary to prove equivalency of substituted materials should be included with the proposal submitted at the bid reception. Proposed substitutions shall satisfy all design conditions including performance and physical properties which will be reviewed

prior to approving the substitute: physical dimensions, pattern, colors, weight effect on other trades, availability, cost, performance and test data, guarantee and other properties.

Where a Contractor substitute materials, he shall submit two (2) samples of materials specified and two (2) samples of material considered by contractor to be an equivalent, along with technical information on each. Where the Contractor's information on products is insufficient to determine "equivalency", laboratory tests will be required. A private laboratory will be selected by the Engineer to conduct test; the cost of which will be paid by the Contractor regardless of the test result. All modifications to existing work or to adjoining work, which are necessary to accommodate any item offered as equivalent, shall be performed at no additional cost to the City. The Contractor shall substantiate in writing, by economic analysis, that items offered as equivalents, will cause no addition in maintenance, fuel, or utility cost over the items shown or specified and have an equal life expectancy.

If after review of all submitted material, the substitution is deemed not an equivalent, the Bid will be rejected.

All materials, equipment and assemblies shall be accompanied by manufacturer's instructions pertaining to installation, use and maintenance, as applicable, so as to be suitable for the intended purpose or service in the proposed methods of construction. All materials shall be used in strict accordance with manufacturer's instruction, which will include instructions for appropriate reconditioning of existing or previously applied materials in a manner that will provide conditions to ensure satisfactory completed Work.

23.

INTENT OF PLANS AND SPECIFICATIONS:

It is the intent of these Contract Documents to detail a complete job and to specify the Work to be accomplished. The Plans and Specifications are complementary and what is called for by one shall be binding as if called for by both.

Interpretation of the Drawings and Specifications shall be given preference in the following order:

1. Addenda to the Specifications (Later dates to take precedence over earlier dates)
2. Addenda to the Drawings (Later dates to take precedence over earlier dates)
3. Contract Specifications
4. Standard Specifications
5. Contract Drawings (Notes on Drawings to take precedence over other data on Drawings)

In case the Contractor finds the Specifications or Plans are not sufficiently clear or complete, he shall request the Engineer to provide Supplementary Plans and Specifications and the Engineer will provide such additional information as may be necessary. Such request shall be made in writing at least two (2) weeks prior to the time such Drawings or Specifications are to be needed; and no delay, caused by the tardiness of the Engineer, in supplying such information shall be considered as neglect or default on his part unless written application shall have been so made.

The Engineer shall have the authority to resolve any controversy as to the meaning and intent of these Plans and Specifications and he shall have the right to correct any errors or omissions therein for the proper completion of the Project.

The Contractor shall secure and maintain at the Project Site at least one (1) copy of the New Jersey Department of Transportation "Standard Specifications for Road and Bridge Construction", dated 2007 as currently amended and one (1) copy of the New Jersey Department of Transportation, " Standard Roadway Construction Traffic Control-Bridge Construction details", dated 2007 as currently amended, one (1) copy of the New Jersey Department of Transportation " Standard Electrical Details", dated 2007 as currently amended and one (1) Copy of the United States Department of Transportation, Federal Highway Administration " Manual on Uniform Control Devices for Streets and Highways ", as currently amended.

The Contractor shall also keep at least one (1) set of the Plans and Specifications on the Project Site at all times.

24. RESPONSIBILITY OF WORK:

The Contractor assumes full responsibility for materials and equipment employed in the construction of the Project and agrees to make no claim against the City for damages to such materials and equipment from any cause whatsoever. Until its final acceptance, the Contractor shall be responsible for damage to or destruction of the Project, or to any part thereof, due to any cause whatsoever.

The provisions of the foregoing paragraph shall not be a waiver of the Contractor's guarantee to replace defective work and materials during the maintenance period after Date of Acceptance.

The Contractor shall make good all Work damaged or destroyed before the final acceptance of the Project and the cost thereof shall be included in the prices bid for various Items scheduled in the Proposal.

25. LAWS, ORDINANCES, REGULATIONS AND PERMITS:

The Successful Bidder shall secure all permits, insurance, licenses and pay any inspection in accordance with provisions as set forth in laws, ordinances and regulations by all governmental agencies affecting the Work at his own expense. The Successful Bidder shall be solely responsible for any damage resulting from his neglect to obey all laws, regulations, rules and ordinances. Ignorance regarding such requirements shall in no way serve to modify the provisions of the Contract.

The Contractor shall keep fully informed of all Federal and State laws, all local laws, ordinances, safety codes, regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the Work, or which in any way affect the conduct of the Work. He shall at all times observe and comply with all such laws, ordinances, safety codes, regulations, orders and decrees; and

shall protect and indemnify the City and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, safety code, regulation, order or decree, whether by himself or his employees.

The Contractor shall, at his own expense, secure and pay to the appropriate Department of the City of Jersey City the fees or charges for all permits for street openings, street closing and/or barricading, building, electrical, plumbing, water required by the City of Jersey City or any of its agencies.

The Contractor shall comply with applicable City laws and ordinances governing the disposal of surplus excavation materials, debris and rubbish on or off the Project Site and commit no trespass on any public or private property in any operation due to or connected with the Work embraced in this Contract.

26. PROVISIONS REQUIRED BY LAW DEEMED INSERTED:

Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and the Contract shall be read and enforced as though it were included herein; and if, through mistake or otherwise, any such provision is not inserted or is not correctly inserted, then, upon the application of either party, the Contract shall forthwith be physically amended to make such insertion.

27. INSURANCE:

Certificates of Liability and Workmen's Compensation Insurance satisfactory to the City shall be filed with the City at the time the Contract is signed. All of the Contractor's insurance coverages shall contain a clause indemnifying and saving harmless the City of Jersey City, the Municipal Engineer, their successors or assigns and their other agents from any and all liability of whatever nature arising from the Work to be performed under the Contract, including attorney's fees and costs in connection with the defense of such claims. The Certificates of Insurance furnished by the Contractor shall spell out specifically that the above indemnification is guaranteed by the policy.

The Contractor shall not commence Work under the Contract or under any special condition until he has obtained all insurance as required under the following subparagraphs; and until such insurance coverages have been approved by the City; nor shall the Contractor allow any Subcontractor to commence Work on his Subcontract until all similar insurance coverages required of the Subcontractor have been obtained and approved.

The Contractor shall take out and maintain, during the life of this Contract, Worker's Compensation Insurance for all his employees employed at the Project Site and, in case any Work is sublet, the Contractor shall require the Subcontractor similarly to provide Workmen's Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous work under this Contract at the Project Site is not protected under Worker's Compensation Statutes, the Contractor shall provide and shall cause each Subcontractor to provide Compensation Insurance with a private company in an amount

equivalent to that provided by the Worker's Compensation Statutes for the protection of his employees not otherwise protected.

The Contractor shall obtain and keep in force, during the term of the Contract, General Liability Insurance in companies and in form to be approved by the City. Said insurance shall provide coverage to the Contractor, any Subcontractor performing Work provided by this Contract, the City of Jersey City, its successors and assigns. The City of Jersey City, its successors and assigns, its officers, agents, servants, and employees as their interest may appear, shall be named as an additional insured on said policy insofar as the Work and obligations performed under the Contract are concerned. The coverage so provided shall protect against claims for personal injuries, including accidental death, as well as claims for property damages, which may arise from any act or omission of the City of Jersey City, its successors and assigns, the Contractor, any Subcontractor or by anyone directly or indirectly employed by them.

The minimum policy limits of such insurance shall be as follows:

A. General Liability:

General Insurance in an amount not less than Two Million Dollars (\$2,000,000.00) for injuries, including wrongful death, per each occurrence. This insurance shall be written with an acceptable company authorized to do business in the State of New Jersey; and shall be taken out before any operations of the Contractor are commenced; and shall be kept in effect until all operations shall be satisfactorily completed.

B. Special Hazards Insurance:

The following special hazards shall be covered during the life of this Contract by rider or riders to the policy or policies above required or by separate policies of insurance:

- (a) blasting and explosion;
- (b) collapse of or structural injury to any structure or facility due to:
 - (1) excavation or pumping,
 - (2) shoring or demolition of any structure or the removal or rebuilding of any structural support thereof;
- (c) all vehicles and equipment;
- (d) the term "caused by accident" in the standard policy shall be broadened by the inclusion of the term "occurrence".

C. Automobile Insurance:

Automobile Liability Insurance to cover each automobile, truck, vehicle or other equipment used in the performance of the Contract in an amount not less than One Million Dollars (\$1,000,000.00) on account of injury or death per occurrence;

D. Fire Insurance:

Liability shall be in an amount satisfactory to the City to adequately protect the Contractor and City from hazards of fire and any resulting damage to his Work.

E. Notice of Change:

Each and every insurance policy required by the terms of this Contract shall carry endorsement to the effect that the Insurance Company shall give at least ten (10) calendar days notice to the City of any modification or cancellation of any policy or policies.

F. Builder's Risk Coverage

In the case of new construction or substantial rehabilitation, contractor must also secure Builder's Risk Coverage equal to the amount of the completed project.

28. INDEMNITY:

The Contractor agrees to save the City of Jersey City, its successors and assigns, its officers, agents, servants, and employees as their interest may appear, harmless from all loss or damage occasioned to it or to any third person or property by reason of any carelessness or negligence on the part of the City, Contractor, Subcontractors, agents, and employees in the performance of the Contract and shall, after reasonable notice thereof, defend and pay the expense of defending any suit which may be commenced against the City of Jersey City, its successors or assigns, its officers, agents, servants and employees as their interests may appear, by any third person alleging injury, by reason of such carelessness or negligence, and shall pay any judgement which may be obtained against the City of Jersey City, its successors or assigns, its officers, agents, servants, and employees as their interests may appear, in such suit.

The cost of such indemnification shall be included in the prices bid for the various scheduled Items in the Proposal. As much money due to the Contractor under and by virtue of the Contract as shall be considered necessary by the Engineer may be retained by the City and held until such suits, actions, claims or amounts shall have been settled and suitable evidence to that effect is furnished to the Municipal Engineer.

29. SUBMISSION OF POST BID INFORMATION:

Upon request by the Engineer, A selected bidder shall within seven (7) calendar days thereafter submit the following:

- A. A statement of costs for each major item of Work included in the Proposal.
- B. A designation of the Work to be performed by the Bidder with his own forces.
- C. A list of names of the Subcontractors or other persons or organizations (including those who are to furnish materials or equipment fabricated to a special design) proposed for such portions of the Work as may be designated in the Contract

Documents or, if no portions are so designated, the names of the Subcontractors proposed for the principal portions of the Work.

The Bidder shall be required to establish to the satisfaction of the Engineer the reliability and responsibility of the proposed Subcontractors to furnish and perform the Work described in the Sections of the Specifications pertaining to such proposed Subcontractor's respective trades. Prior to the award of the Contract, the Engineer will notify the Bidder in writing if the Engineer, after due investigation, has reasonable and substantial objection to any person or organization or such list. If the Engineer has a reasonable and substantial objection to any person or organization on such list and refuses in writing to accept such person or organization, the Bidder shall obtain another Subcontractor satisfactory to the Engineer.

ADA CORNER LOCATIONS

PROPOSED LIST OF INTERSECTIONS

(SEE NOTE BELOW.)

	NO	INTERSECTION		
	1	Fulton Avenue	@	Sterling Ave
	2	Iorio Court	@	Van Houten St
	3	Casper Ct	@	Van Houten St
	4	Monitor St	@	Communipaw Ave
	5	Sheffield St	@	Ocean Ave
	6	Maple St	@	Van Horne St
	7	State St	@	Corneilson Ave
	8	Bishop St	@	Corneilson Ave

NOTE:

IT IS UNDERSTOOD THAT THE LISTED INTERSECTIONS IN THE TABLE ABOVE MAY BE SUBJECT TO CHANGE AS DIRECTED BY THE MUNICIPAL ENGINEER. HOWEVER, THE TOTAL NUMBER OF INTERSECTIONS SHALL REMAIN AT EIGHT.

Maximum 15 feet length from ADA ramps each direction for sidewalk construction.

GENERAL CONDITIONS

GENERAL CONDITIONS

1. PUBLIC SAFETY AND CONVENIENCE:

The Contractor shall conduct his work with the least possible obstruction to traffic. The convenience of the public and of the residents adjacent to the Project, and the protection of persons and property, are of first importance and shall be provided for by the Contractor in an adequate and satisfactory manner. Adequate temporary crossings shall be constructed and maintained where access to adjacent property is desired, the fire hydrants shall be kept accessible.

Trucks hauling materials shall have tight tail gates and shall be loaded with adequate freeboard of not less than three (3) inches without precarious cones or piles of material.

The Contractor shall provide for prompt removal from existing roadways of all dirt and other materials that have been spilled, washed, tracked or otherwise deposited thereon by his hauling and other operations whenever the accumulation is sufficient to cause the formation of mud, interfere with drainage, damage pavements or create a traffic hazard.

The Contractor shall employ construction methods and means that will keep airborne dust to the minimum. He shall provide for the laying of dust retardants on the Project, and on roads, streets and other areas immediately adjacent to the Project limits, wherever traffic, or buildings that are occupied or in use, are affected by such dust caused by his hauling or other operations. The materials and methods used for retardant laying shall be subject to the approval of the Engineer. The cost of carrying out the foregoing provisions shall be included in the prices bid for the various items scheduled in the Proposal.

The Contractor shall conduct his operations in such a manner as to provide maximum safety for all employees on the work and the public as well. He shall comply promptly with such safety regulations as may be prescribed by the Engineer and shall, when so directed by the Engineer or his duly authorized agents, properly correct any unsafe conditions created by or unsafe practices on part of his employees. In the event of the Contractor's failure to comply, the Engineer may take the necessary measures to correct the conditions or practices and all costs thereof will be deducted from any monies due the Contractor. Failure of the Engineer to direct the correction of unsafe conditions or practices shall not relieve the Contractor of his responsibility herein.

2. FAILURE TO MAINTAIN STREETS IN SAFE CONDITION:

In the event that the Contractor fails to maintain trenches and roads in a safe and passable condition following pipe laying or fails to clean up or fails to install and maintain pavement replacement over trenches, the City shall have the right to order this work done by others at the cost and expense of the Contractor. The Contractor will be given notice of the unsatisfactory condition. After such notice is submitted to the Contractor, the City may order this work done and deduct the cost of same from payment due under this Contract.

3. ACCIDENT PREVENTION:

Precaution shall be exercised at all times for the protection of persons and property. The safety provisions of applicable laws, building and construction codes, and the rules and regulations of the United States Occupational Safety and Health Administration, shall be observed. Machinery, equipment and other hazards of whatsoever character shall be guarded in accordance with the safety provisions of the Manual of Accident Prevention in Construction, published by the Associated General Contractors of America, to the extent that such provisions are not inconsistent with applicable Federal, State and City laws and regulations.

If any operation, practice or condition during the course of the work be deemed by the Engineer to be unsafe, the Contractor shall take corrective action when notified in writing by the Engineer. However, where in the opinion of the Engineer, any operation, practice or condition endangers persons or property, it shall be discontinued and adequate remedial action taken before the affected part of the work is resumed.

Nothing in the foregoing paragraphs shall be construed as relieving the Contractor from full responsibility for safe prosecution of the work at all times.

4. PROPERTY DAMAGE:

The Contractor shall protect all property, monuments, trees, existing structures, utilities and work of any kind along and adjacent to the work under this Contract against damage or interruption of service. Damage, injury, loss, or interruption of service resulting from the failure to do so shall be repaired or restored promptly by the Contractor at his own expense.

The Contractor shall shore up, brace, underpin, secure, and protect as may be necessary, all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity to the site, which may be in any way affected by the excavations or other operations connected with the construction or reconstruction of the work embraced in this Contract.

The Contractor shall not enter on or make use of private property in the prosecution of the Project unless written permission therefor is secured in duplicate, from the owner, one copy of which shall be filed with the Engineer. He shall promptly restore or repair, without cost to the City and in a manner satisfactory to its owner, property damaged or destroyed by his operations. Special attention shall be given to the protection of existing landscape features and vegetation.

5. PUBLIC UTILITIES & UNDERGROUND FACILITIES:

The terms public utility or public utilities used in this Article shall be construed to include those publicly and privately owned.

It shall be the Contractor's responsibility to notify in writing all the various utility companies concerned prior to the initial start of construction, so that they will have sufficient time to locate, relocate or construct their facilities. He shall also be responsible for the location of all other underground lines and appurtenances such as existing sanitary sewers and house connections, existing water and gas lines, existing storm drains, etc., whether such underground lines and appurtenances are noted or not noted on the Plans, so as to prevent any direct interference with underground lines being constructed.

The Contractor is responsible for coordinating said work with the utility companies so as not to disrupt the progress of the job nor the workmanship of said improvement. All existing utilities are to be located and adjusted by the various utilities concerned. All the utilities have been located on the drawings by the Engineer as designated by the utility companies. The Engineer does not assume responsibility for said locations. The Contractor must have the utility companies verify said locations.

The Contractor shall at his own expense properly support and maintain all public utility structures and facilities together with all other existing underground lines and appurtenances he may encounter in connection with the work, and shall replace any street signs, stop signs, bus station signs, etc., which may have to be removed temporarily and replace or repair any he may damage. The Contractor is cautioned to insure the safety of all persons with reference to overhead power lines.

Should the Contractor in course of the construction work cause any damage to the existing underground lines and appurtenances, he shall at his own expense restore or repair the damaged lines.

The Contractor shall carry out his work carefully and skillfully and shall support and secure public utility structures so as to avoid damage to them. Flow in drains and sewers shall be satisfactorily maintained. He shall not move without the owner's written consent any public utility structures, and at the completion of the work their condition shall be as safe and permanent as before. When public utility structures, facilities or equipment are damaged by the Contractor, he shall notify their owners, who may cause the damage to be repaired at the Contractor's expense. If the cost thereof is not paid by the Contractor within 30 days after repairs have been completed, the Municipal Engineer may retain an amount sufficient to cover the cost from any moneys due or that may become due the Contractor under this Contract. House service connections damaged by the Contractor shall be repaired by competent skilled mechanics.

When the removal, relocation or replacement of public utility structures or facilities is not deemed essential by the Engineer for carrying out the Project as planned, but is performed for the Contractor's convenience, the cost of such work shall be included in the prices bid for the various items scheduled in the Proposal. When such removal, relocation or replacement is deemed essential by the Engineer for carrying out the work of the Project as planned, the cost shall be borne by the City or by the owner of the utility in accordance with applicable Federal and State Laws and Regulations.

Due notice will be given to all interested parties in accordance with Revised Statutes 27:7-26 and 27, that all surface openings within the site of the Project shall be made prior to the laying of the finished pavement.

6. MAINTENANCE AND PROTECTION OF TRAFFIC:

All roadways within the limits of the Project which are reserved for traffic shall be maintained by the Contractor free from obstruction and in a smooth riding condition at all times.

The Contractor shall always provide a safe driveway and/or walkway for the use of traffic and/or pedestrians to and from properties along the street. Such passageways shall be adequately maintained and provided with adequate signs, barricades, lights and watchmen.

In streets and roadways the Contractor will be responsible for the maintenance of traffic with a minimum of one lane open at all times. Where necessary, steel plates shall be employed to provide for the maintenance of traffic as directed by the Engineer. Under no circumstances will a street or roadway be completely closed to traffic without permission from the Engineer; and the Contractor, upon receiving permission from the Engineer; shall secure a Permit for Street Closing and/or Barricading for such closing.

The Contractor shall supply, erect, place and maintain in good and upright condition during the course of the work, barricades, warning signs, lights, flares, approved flashing electric flasher units, rubber traffic cones, and other warning and danger signals and devices, appropriate and adequate for the specific needs and subject to the Engineer's approval, at working sites, closed roads, intersections, open excavations, locations of material storage, standing equipment, and other obstructions, at points where the usable traffic width of the road is reduced, at points where traffic is deflected from its normal courses or lanes, and at other places of danger to vehicular or pedestrian traffic or to the completed work.

Signs, barricades, traffic cones, flares and electric flasher units shall be established, relocated, repaired and replaced in such a manner and at such times and places as may be necessary for adequate protection of vehicular and pedestrian traffic, subject to approval by the Engineer.

The Contractor shall provide sufficient watchmen and traffic directors and shall take all other precautions, including any which may be ordered by the Engineer, that may be necessary for the safety of the public and protection of the work.

When detours are required due to the construction, such detours shall be established with the approval of Traffic Engineering in advance, and the Contractor at his own expense shall furnish, erect and maintain barricades as specified above to close the street or highway and protect traffic and his work at the beginning and end of the detour.

The Contractor shall take all precautions, including any which may be ordered by the Engineer that may be necessary for the safety of the public and the protection of the work during night time hours, with adequate patrolling during this period and replace missing flares and other lighting units.

Where traffic is to be maintained on main thoroughfares, the Contractor shall provide approved metal plates to cover open trenches, as directed by the Engineer. All signs and barricades shall conform to current specifications set forth in the "Manual on Uniform Traffic Control Devices for Streets and Highways", U.S. Department of Transportation, Federal Highway Administration, as currently amended. In addition the Contractor shall comply with the requirements set forth in the Jersey City Division of Traffic Engineering "Traffic Barricade Manual".

The cost of Maintenance and Protection of Highway or Street Traffic as described above will not be paid for under any specific item, but the cost thereof shall be included in the prices bid for the various items scheduled in the Proposal, except when an Item for "Maintenance and Protection of Traffic" or specific Maintenance and Protection of Traffic items are scheduled in the Proposal.

7. OTHER CONTRACTORS:

The right is reserved by the City to do work with its own employees or with the use of contractors and to permit public utility companies and others to do work during the progress of the Project within the limits thereof or adjacent thereto. The Contractor shall conduct his work and cooperate with such utility companies and others so as to cause as little interference as possible with their work, as the Engineer may direct. The Contractor shall allow other contractors and utility companies and their agent's access to their work within the site of the Project. The Contractor shall and hereby does agree, to make no claims against the City for additional payment due to delays or other conditions created by the operations of such other parties. If there be a difference of opinion as to the respective rights of the Contractor and others doing work within the limits of or adjacent to the Project, the Engineer will decide as to the respective rights of the various parties involved in order to secure the completion of the City's work in general harmony and in a satisfactory manner.

His decision shall be final and binding on, and shall not be cause for claims by the Contractor.

The Contractor will be held responsible for any damage done or caused by his work or forces to the work performed by other contractors or utility companies within or adjacent to the site of the Project, and he shall repair or make good any such damage in a manner satisfactory to the Engineer and without cost to the City.

8. EXISTING MONUMENTS:

Existing monuments and title stones which need not be removed shall be left in place and protected by the Contractor against damage and dislocation. When relocation or change in the grade of existing monuments is necessary, they shall be protected in their original position until their removal is approved by the Engineer, and shall be reset when directed and in conformance with the new lines and grades to be furnished, by him. Monuments and title stones, that are to be left in place or reset and are removed without approval of the Engineer shall be replaced at the Contractor's expense. The cost of resetting monuments shall be included in the unit prices bid in the Proposal.

9. PATENTS:

The Contractor shall hold and save the City of Jersey City, its officers, and employees, harmless from liability of any nature or kind, including costs and expenses, for, or an account of, any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the City, unless otherwise specifically stipulated in the Technical Specifications.

10. CONTRACT AND CONTRACT DOCUMENTS:

The Plans, Specifications and Addenda, if any, shall form part of the Contract, and the provisions thereof shall be as binding upon the parties hereto as if they were herein fully set forth. The titles and headings of the Sections, Subsections and Subparts herein are intended for convenience of reference and shall not be considered as having bearing on their interpretation. The table of contents, titles, headings, running headlines and marginal notes contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect, limit, or cast light on the interpretation of the provisions to which they refer.

The organization of the Specifications into divisions, sections and articles, and the arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

Working titles which have a masculine gender, such as "workman" and "flagman" and the pronouns and adjectives "he", "his" and "him" are utilized in the Contract Documents for the sake of brevity, and are intended to refer to persons of either sex.

When a publication is specified, it refers to the most recent date of issue, including interim publications, prior to the date of the receipt of bids for the Project unless the issue as of a specific date or year is provided for.

Anything mentioned in the Technical Specifications and not shown on Drawings, or shown on the Drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown on or mentioned in both. In case of difference between Drawings and Technical Specifications, the Technical Specifications shall govern. In case of any discrepancy in Drawings, or Technical Specifications, the matter shall be immediately submitted to the Engineer, for a decision.

The figured dimensions on the Drawings or notes indicating dimensions shall be used instead of measurements of the Drawings by scale, and shall be strictly complied with. No scale measurements shall be used as a dimension to work with except on large scale Drawings not dimensioned. In case of difference between small and large scale Drawings, the large scale Drawings shall govern.

11. CONTRACTOR'S ORGANIZATION & EQUIPMENT:

Methods and Equipment. The Contractor shall at all times employ competent supervision, labor and adequate equipment for prosecuting the several classes of work to full completion in the manner and time required by these Specifications.

All workmen shall have sufficient skill and experience to perform properly the work assigned to them. Workmen engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

Should the Contractor fail to remove any employee from work when requested or fail to furnish suitable and sufficient personnel and equipment for the proper prosecution of the work, the Engineer may suspend the work by written notice until compliance with such order.

The Contractor shall be responsible for the proper fitting of all work and for the coordination of the operations of all trades, subcontractors, or material men engaged upon this Contract. He shall be prepared to guarantee to each of his subcontractors the locations and measurements which they may require for the fitting of their work to all surrounding work.

All equipment which is used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the project shall be such that no injury to the roadway, adjacent property, or other highways will result from its use.

When the methods and equipment to be used by the Contractor in accomplishing the construction are not prescribed in the Contract, the Contractor is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the Contract.

When the Contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless others are authorized by the Engineer. If the Contractor desires to use a method or type of equipment other than those specified in the Contract, he may request authority from the Engineer to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with Contract requirements. If, after trial use of the substituted methods or equipment, the Engineer determines that the work produced does not meet Contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The Contractor shall remove the deficient work and replace it with work of specified quality, or take such other corrective action as the Engineer may direct. Unless otherwise provided, no change will be made in basis of payment for the construction items involved nor in Contract time as a result of authorizing a change in methods or equipment under these provisions.

The Contractor and his Subcontractors shall not engage, on a full or part-time or other basis during the period of the Contract, any of the professional or technical personnel of the Division of Engineering, Traffic and Transportation or of any State, County or City Department, who are or have been at any time during the period of the Contract, or for 30 days prior to the award of the Contract, in the employ of such public agencies, except regularly retired employees, without the written consent of the public employer of such personnel.

No separate payment shall be made for Contractor's organization and mobilization of equipment; but the costs for this work shall be included in the prices bid for the various items scheduled in the Proposal, except when an Item for "Mobilization" or "Mobilization/Demobilization" is scheduled in the Proposal.

12. SUPERINTENDENT AND WORKMEN:

The Contractor shall attend to the work personally or through a competent, English speaking superintendent on the work, authorized to receive and carry out instructions. The workmen shall be competent and shall perform their work in a neat and workmanlike manner. Any workman not properly qualified for his work or who is doing it in an unsatisfactory manner or contrary to the Specifications or the Engineer's instructions, or who is disorderly, shall be discharged if so requested by the Engineer, and shall not be employed again on the Project except with the approval of the Engineer. The superintendence and the number of workmen shall be sufficient, in the opinion of the Engineer, to insure the completion of the Project within the time stipulated therefor.

The Contractor shall also furnish to the City the telephone numbers of his superintendent and assistants for any emergency arising outside the normal work day schedule as a result of the Contract. If such an emergency does arise, and the City cannot contact the Contractor or his agents, or the Contractor or his agents do not arrive on the job site within two hours of such notification, the City reserves the right to correct the situation. Any costs incurred by the City shall be reported, in writing, to the Contractor for immediate payment. No additional estimates for work under this Contract shall be paid to the Contractor until the City is in receipt of payment for such emergency work.

13. EQUIPMENT:

Good equipment only shall be used, and it shall be in proper working conditions. Sufficient equipment shall be used to insure the completion of the Project within the time specified. The equipment shall be operated so as not to damage public or private property. When a specific type or character of equipment is called for it shall be provided and used. All equipment shall be subject to the approval of the Engineer.

If the Contractor or his subcontractors do not own all or part of the equipment required, a written statement shall be submitted by the Contractor or his subcontractors, respectively, of the name and address of the owner or owners, stating that an agreement has been made to lease or loan the equipment and that in event of default, the Municipal Engineer has the right to take over and use such equipment or cause it to be used for completing the Project.

14. WORKING SITE:

Any space that the Contractor may require for plant, equipment, storage or other purpose, in addition to that available therefore at the site of the Project, shall be procured by the Contractor and the cost thereof shall be included in the prices bid for the various items scheduled in the Proposal. In event of default the Municipal Engineer has the right to take over and occupy such space, or cause it to be occupied, for the purpose of completing the Project, at the Contractor's expense. If leased, the lease shall contain a provision that in event of default by the Contractor the lease may be assigned to the City or its nominee. The Contractor agrees in said default, that he will make such assignment.

15. SANITARY PROVISIONS:

The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his employees and for the use of government employees when the special provisions do not contain other provisions, to comply with the requirements of the State and local Boards of Health, or of other bodies or tribunals having jurisdiction. No direct payment will be made for the work required by this Subsection, but the costs thereof will be considered to be included in bid prices of the Contract. 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.

16. MATERIALS AND WORKMANSHIP:

All materials used in the construction shall be new, except where reclaimed materials are indicated, and shall be furnished by the Contractor, and shall be approved by the Engineer.

Request for approval of materials shall state the proposed source. All workmanship shall be satisfactory to the Engineer. Materials and workmanship not satisfactory shall be replaced by the Contractor without expense to the City.

The Contractor shall comply with provisions of the N.J. Revised Statutes 52:33-2 requiring that preference be given to the use of domestic materials.

The Contractor shall do all things necessary in connection with his work, and shall leave the premises in as good condition as found furnishing new materials and work if necessary.

The Contractor shall and will in good workmanlike manner, do and perform all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to perform and complete all the work required by this Contract, within the time herein specified, in accordance with the provisions of this Contract and said Specifications and in accordance with the Plans and Drawings covered by this Contract and any and all Supplemental Plans and Drawings, and in accordance with the directions of the Engineer as given from time to time during the progress

of the work. He shall furnish, erect, maintain and remove such construction plant and such temporary works as may be required. The Contractor shall observe, comply with, and be subject to all terms, conditions, requirements, and limitations of the Contract and Specifications, and shall do, carry on, and complete the entire work to the satisfaction of the Engineer and the City.

The Contractor shall furnish to the Engineer for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing, together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which he proposes to incorporate in the work.

Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejection.

Materials specified by reference to the number or symbol of a specific standard, such as an A.S.T.M. Standard, a Federal Specification or other similar standard shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class or grade, or modified in such reference. The standards referred to, except as modified in the Technical Specifications shall have full force and effect as though printed therein.

17. TESTING AND INSPECTION OF MATERIALS:

All materials and equipment used in the construction of the Project shall be subject to adequate inspection and testing in accordance with accepted standards. The laboratory or inspection agency shall be approved by the City. All labor, materials, equipment and services necessary to make the work comply with such requirements shall be provided without additional cost to the City of Jersey City.

Materials of construction, particularly those upon which the strength and durability of the structure may depend, shall be subject to inspection and testing to establish conformance with Specifications and suitability for uses intended.

18. SAMPLES, CERTIFICATES AND TESTS:

The Contractor shall submit all material or equipment samples, certificates, affidavits, etc., as called for in the Contract Documents or required by the Engineer promptly after award of the Contract and acceptance of the Contractor's Bond. No such material or equipment shall be manufactured or delivered to the site, except at the Contractor's own risk, until the required samples or certificates have been approved in writing by the Engineer. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the Contract time.

Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the Project for which it is intended, and the name of the producer. The accompanying certificate or letter from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer and all specifications or other detailed information which assist the Engineer in passing upon the acceptability of the sample promptly. It shall also include the statement that all materials or equipment furnished for use in the Project will comply with the samples and/or certified statements.

Approval of any materials shall be general only and shall not constitute a waiver of the City's right to demand full compliance with Contract requirements. After actual deliveries, the Engineer will have such check tests made as he deems necessary in each instance and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval. If materials, equipment or accessories which fail to meet check tests have been incorporated in the work, the Engineer will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.

Except as otherwise specifically stated in the Contract, the costs of sampling and testing shall be assumed by the Contractor. The Contractor shall furnish without extra cost, including packing and delivery charges, all samples and tests requested by the Engineer.

19. CONTRACTOR'S TITLE TO MATERIALS:

No materials or supplies for the work shall be purchased by the Contractor or by any subcontractor subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller. The Contractor warrants that he has good title to all materials and supplies used by him in the work, free from all liens, claims or encumbrances.

20. ASSIGNMENT OR NOVATION:

The Contractor shall not assign or transfer, whether by an assignment or novation, any of its rights, duties, benefits, obligations, liabilities, or responsibilities under this Contract without the written consent of the Municipal Engineer provided, however, that assignments to banks, trust companies, or other financial institutions may be made without the consent of the Municipal Engineer. No assignment or novation of this Contract shall be valid unless the assignment or novation expressly provides that the assignment of any of the Contractor's rights or benefits under the Contract is subject to a prior lien for performed services rendered, and materials, tools, and equipment supplied for the performance of the work under this Contract in favor of all persons, firms, or corporations rendering such labor services or supplying such materials, tools, or equipment.

21. STORING OF MATERIALS:

All materials required in the work may be stored on the site upon which the work is to be constructed, subject to the approval of the Engineer. All such materials, tools and machinery shall be neatly and compactly piled in such manner as to cause the least inconvenience to the City and other contractors. All fire hydrants must at all times be kept free and unobstructed and water and gas shut off boxes, underground power and telephone line manholes, sanitary and sewer manholes, must not be covered at any time by such materials.

Materials, tools and machinery shall not be piled or placed against shade trees unless they shall be amply protected against injury therefrom. All materials, tools, machinery, etc., stored upon public thoroughfares must be provided with flashing amber lights at nighttime to warn the traffic of such obstruction.

The Contractor shall arrange for the timely and orderly delivery of all materials and shall be responsible for their proper handling and protection.

Materials and equipment may be stored on the site, but the protection of same shall be the Contractor's responsibility. In storing materials within the site the Contractor shall consult with the Engineer.

22. CLEANUP:

- A. The Contractor shall at all times keep the Project site and adjacent areas free of waste material, debris, rubbish and other unsuitable materials caused by his employees or work and shall remove same from any area of the site at least daily and additionally, if in the opinion of the Engineer such material, debris, rubbish, equipment or other material constitutes a hazard or nuisance.

The Contractor shall not allow equipment nor materials to encumber the flow of any watercourse. No equipment shall be left unattended in any watercourse.

- B. Upon completion of the work and before the final acceptance of the Project, the Contractor shall remove all equipment, temporary work, unused and useless materials, rubbish and temporary buildings, shall repair or replace in an acceptable manner fences or other private or public property which may have been damaged or destroyed on account of the prosecution of the work, shall fill all depressions and water pockets on public and private property caused by his operations, shall remove all obstructions from waterways caused by his work, shall clean all drains and ditches within and adjacent to the site of the Project which has been obstructed by his operations, and shall leave the site of the Project and adjacent public and private property in a neat and presentable condition wherever his operations have disturbed conditions existing at the time of starting work.

The Contractor shall procure and submit to the Engineer signed statements from property owners affected that he has fulfilled his obligations in the matters enumerated above with regard to their respective properties. Payment for final cleaning up and restoration of property as above provided will not be made under any specific item but the cost of this work shall be included in the prices bid for the various items scheduled in the Proposal.

23. AUTHORITY OF THE ENGINEER:

The Engineer shall make all necessary explanations as to the meaning and intent of the Contract Documents, shall give all orders and directions contemplated under the Contract, and in every case in which a difficult or unforeseen condition shall arise in the performance of the work the Engineer shall determine the adequacy of the Contractor's methods, plant, and appurtenances. The Engineer shall determine in all cases the quantity, quality, and acceptability of the several kinds of work and materials and shall determine all questions in relation to the work and the construction thereof.

In case there is any inconsistency or ambiguity in the Contract Documents brought to his attention by the Contractor, the Engineer shall base his decision upon the premise that the more stringent interpretation was made by the Contractor in the submission of his Bid. The Engineer shall decide any difference or conflicts which may arise between the Contractor and other Contractors of the City in regard to their work.

24. APPEAL BY THE CONTRACTOR:

Should the Contractor take exception to any determination made by the Engineer relating to this Contract, the Contractor shall, within fourteen (14) calendar days, after receiving notification of such decision, file with the City a written notice of appeal, together with a full statement of facts as he believes them to be true. A copy of said notice and statement of facts shall be furnished to the Engineer.

Upon completion of the work, all matters of appeal shall be submitted to a Board of Arbiters, composed of three members, one of whom shall be appointed by the City, one by the Contractor, and the third member shall be chosen by the first two. The cost of appeal shall be borne by the Contractor in matters wherein the decisions of the Engineer are affirmed, and in other matters the costs shall be borne jointly by the Contractor and the City in such proportion as the Board of Arbiters shall determine.

The decision of the Board of Arbiters shall be conclusive and binding upon both the City and the Contractor.

25. UNAUTHORIZED WORK:

Work done without lines and grade being given, work done beyond the lines and grades shown on the Drawings or as given, or any extra work done without written authorization, will be considered unauthorized. Such work will be at the expense of the Contractor and will not be paid for by the City. Work so done may be ordered removed, and/or replaced by the Engineer at the Contractor's expense.

26. INSPECTION:

The City shall have the right to inspect all work in progress and done and all materials furnished, including the preparation, fabrication and manufacture in mill, plant, shop and field of the materials to be used, and may assign an Inspector or other authorized representative for this purpose. The Contractor shall provide all facilities necessary for such inspection and shall furnish or cause to be furnished to the said Inspector or other authorized representative safe access at all times to the places where preparations, fabrication or manufacture of materials and construction of the work is in progress, as well as such information and assistance as may be required to make a complete and detailed inspection. The Engineer may undertake the inspection of materials at the source.

Manufacturing plants may be inspected periodically for compliance with specified manufacturing methods, and material samples will be obtained for laboratory testing for compliance with material quality requirements. In the event inspection is undertaken at the plant, the following conditions shall be met:

- (a) The Engineer shall have the cooperation and assistance of the Contractor and the producer with whom he has contracted for materials.
- (b) The Engineer shall have full entry at all times to such parts of the plant as may concern the manufacture or production of the materials being furnished.

If the Contractor is not the owner of the place where fabrication, preparation or manufacture is in progress, the owner thereof shall be deemed to be the agent of the Contractor with respect to the obligation assumed hereunder. The Contractor or his agent shall be responsible for the payment of claims for injuries to the City's authorized representative due to negligence on the part of the said Contractor or his agent. The cost of providing the necessary facilities, information, assistance and protection and of satisfying claims for injuries to the City's representative, as specified above, shall be included in the prices bid for the various items scheduled in the Proposal. If the Specifications, the Engineer's instructions, laws, ordinance or any public authority require any work be tested or approved, the Contractor shall give the Engineer timely notice of its readiness in writing for inspection by another authority other than the Engineer, the date fixed for such inspection shall be confirmed and made in writing.

Inspectors or other authorized representatives may be stationed on the work to report to the Engineer as to the progress thereof and the manner in which it is being performed, to inform him whenever it appears that the materials furnished and the work performed by the Contractor fails to conform to the requirements of the Plans and Specifications; and to direct the attention of the Contractor to such failure. The inspection, however, shall not relieve the Contractor from his obligations to furnish materials or perform work in conformity with the requirements of the Plans and Specifications.

The Inspector or other authorized representative is not authorized to revoke, alter, enlarge, relax or release any requirements of the Specifications or to issue instruction contrary to the Plans and Specifications. If a difference of opinion arises between the Inspector and the Contractor relating to the materials furnished or the performance of the work, the Inspector has the authority to reject the materials and notify the Contractor that further work on the construction involved will not be authorized and will be subject to nonpayment until the question at issue can be referred to and decided by the Engineer.

No work shall be closed or covered up until it has been duly inspected and approved. Should completed work be covered, the Contractor shall, at his own expense, uncover all such work so that it can be properly inspected; and after inspection, he shall properly repair and replace all such work if found defective.

At any time during the progress of the work and up to the date of final acceptance, the Engineer shall have the right to reject any work which does not conform to the requirements of the Contract Documents, even though such work has been previously inspected and paid for. Any omissions or failure on the part of the Engineer to disapprove or reject any work or materials at the time of inspection shall not be construed as an acceptance of any defective work or materials. If any work or materials shall be condemned by the Engineer as defective or improperly done, the work shall be removed and/or reconstructed and replaced in a manner satisfactory to the Engineer and consistent with the intent of the Contract.

The Contractor shall notify the Engineer at least 72 hours prior to start of work of any change in the approved project schedule. In addition, the Contractor shall notify the Engineer during regular working hours on the day prior to any projected interruption in his operations.

Failure to give the proper notification as provided above may result in the rejection of uninspected work and materials, and a reduction in the final payment, in accordance with the liquidated damages sections of these Specifications.

The Contractor shall allow at all times any authorized persons representing the City of Jersey City, their consultants and the granting agencies to inspect the site.

27. WORKING HOURS:

Working hours shall be between the hours of 8:00 A.M. and 4:30 P.M., prevailing time. Working before 8:00 A.M. or after 4:30 P.M. shall not be permitted except upon authorization by the Engineer. No work other than maintenance work shall be performed on Saturdays, Sundays, or legal holidays, except in the case of emergency and then only to the extent necessary and with the written approval of the Engineer. Should permission be obtained to perform night work, the Contractor shall provide, at his own expense, all lighting, safety and other facilities necessary for such work.

28. INSPECTION SERVICES:

The wages and overhead of inspectors employed by the City shall be paid by the City except that the cost of such services required anytime on Saturdays, Sundays, or City holidays, or on weekdays outside of the hours 8:00 a.m. to 4:30 p.m. inclusive, shall be borne by the Contractor. The amount to be paid for by the Contractor for inspection work required on Saturdays, Sundays, City holidays and off-hours shall be at the rate of Forty-Five Dollars (\$45.00) per hour per man for the inspectors and Seventy-Five Dollars (\$75.00) per hour per man for the Engineer.

The cost of such services shall be deducted from payments due to the Contractor. If the Contractor is directed or requested in writing by the City or the Engineer to work Saturdays, Sundays, City holidays, or off-hours for the convenience of the City of Jersey City the above described reimbursement requirement will be waived.

29. CONSTRUCTION LAYOUT:

The Engineer will provide base lines and vertical control points for locating the component parts of the work, which the Contractor shall verify and report any discrepancy in the information provided. The Contractor shall develop and make all surveys and measurements by utilizing a New Jersey licensed Land Surveyor and the equipment necessary to transfer line and grade from the base lines.

The Contractor shall maintain such control points furnished by the Engineer and shall layout line and grade stakes there from in order to perform his work under the Contract. If such points be damaged, lost, displaced or removed, they shall be reset or replaced by the Contractor. The Contractor shall be solely responsible for the finished work conforming to the lines and grades as indicated on the Plans. The Contractor shall be responsible for cut sheets and the actual stake out of such line and grade.

The Contractor shall notify the Engineer in writing not less than five days in advance when control points are required, and no claims shall be made because of delays if the Contractor fails to give such notice.

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 for interpretation prior to proceeding with the work.

No separate payment shall be made for the work described above; but the costs for this work shall be included in the prices bid for the various items scheduled in the Proposal; except when an item "Construction Layout" is scheduled in the Proposal. Periodic surveys will be required during construction. Full payment (100%) will not be made until survey shows work properly installed.

30. CLAIM FOR ADDITIONAL COMPENSATION:

If the Contractor claims that any instructions by Drawings or otherwise involve extra cost or extension of time, he shall, within ten (10) days after the receipt of such instructions, and in any event before proceeding to execute the work, submit his protest thereto in writing to the Engineer, stating clearly and in detail the basis of his objections. No such claim will be considered unless so made.

Any discrepancies which may be discovered between actual conditions and those represented by the Drawings and maps shall at once be reported to the Engineer and work shall not proceed except at the Contractor's risk, until written instructions have been received by him from the Engineer.

If, on the basis of the available evidence, the Engineer determines that an adjustment of the Contract Sum and/or Time is justifiable, the procedure shall be as provided in paragraphs 20 and 21 of the Information to Bidders.

31. COMMENCEMENT AND PROCEDURE:

The Contractor shall commence work not later than ten (10) calendar days after execution of the Contract or as specified in the "Notice to Proceed" and shall continue operations without interruptions until the work is completed, except when weather or other conditions are interfering or the Engineer deems it advisable to suspend work.

The sequence of the work shall conform to the approved progress schedule submitted, provided, however, that said schedule may be modified from time to time as directed or approved by the Engineer. The Contractor shall give the Engineer not less than seven (7) days notice of the time and place or places he will start the work.

32. NOTICE TO PROCEED:

A written "Notice to Proceed" will be issued by the Purchasing Agent for the City of Jersey City.

33. PROGRESS SCHEDULE AND PRECONSTRUCTION:

After the execution of the Contract, but before the issuance of "Notice to Proceed" the Contractor shall contact the Engineer to set up a preconstruction conference.

At the conference, the Contractor shall furnish the Engineer with a "Progress Schedule" and the anticipated amount of each monthly payment that will become due the Contractor in accordance with the "Progress Schedule" for his approval. Updated "Progress Schedules" shall be submitted with each monthly invoice. Progress Schedules shall be prepared utilizing recognized Critical Path Method techniques.

In addition to the "Progress Schedule, the Contractor shall submit to the Engineer a cost breakdown of his estimated cost of all Lump Sum work, so arranged and itemized as to meet the approval of the Engineer. This breakdown shall be submitted promptly after execution of the agreement and before any payment is made to the Contractor for the work performed under this Contract. After approval by the Engineer the prices established in the breakdown of Lump Sums shall be used in estimating the amount of partial payments for those items to the Contractor.

If required, the progress schedule shall be prepared on the basis of an accepted critical path method of scheduling. The progress schedule may be used as the basis for establishing major construction operations and as a check on the progress of the work. The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the Project in accordance with the Plans and Specifications within the times set forth in the Proposal.

If the Contractor falls significantly behind the submitted schedule, the Contractor shall:

- a. Submit a revised schedule for completion of the work within the Contract time.
- b. Modify his operation to provide such additional materials, equipment, and labor necessary to meet the revised time estimates.

Should the prosecution of the work be discontinued for any reason, the Contractor shall notify the Engineer at least twenty-four (24) hours in advance of resuming operations.

34. LIMITATION OF OPERATIONS:

The Contractor shall conduct the work at all times in such a manner and in such sequence as will assure the least interference with traffic. The Engineer may require the Contractor to finish a section on which work is in progress before work is started on any additional sections if the opening of such section is essential to public convenience.

35. SHOP DRAWINGS AND SAMPLES:

All required shop drawings, machinery details, layout drawings, samples, etc. shall be submitted to the Engineer for approval sufficiently in advance of requirements to afford ample time for checking, including time for correcting, resubmitting and rechecking if necessary. The Contractor may proceed, only at his own risk, with manufacture or installation of any equipment or work covered by said drawings, etc. until they are approved and no claim by the Contractor for extension of the Contract time will be granted by reason of his failure in this respect.

Any drawings submitted without the Contractor's stamp of approval will not be considered and will be returned to him for proper resubmission. If any drawings show variations from the requirements of the Contract because of standard shop practice or other reason, the Contractor shall make specific mention of such variation in his letter or transmittal in order that, if acceptable, suitable action may be taken for proper adjustment of Contract price and/or time. Otherwise the Contractor will not be relieved of the responsibility for executing the work in accordance with the Contract even though the drawings have been approved.

By approving and submitting Shop Drawings, the Contractor thereby represents that he has determined and verified all field measurements, field construction criteria, materials, catalog numbers and similar data, and that he has checked and coordinated each Shop Drawing with the requirements of the work and of the Contract Documents. Shop Drawings shall be available on the site.

All calculations, if required, shall be signed and sealed by a New Jersey State licensed Professional Engineer. Date and reference of work shall be shown.

If a shop drawing is in accord with the Contract or involves only a minor adjustment in the interest of the City of Jersey City not involving a change in Contract price or time, the Engineer may approve the drawing. The Engineer shall accept no responsibility for the Shop Drawings even though they carry his approval. The checking of the Shop Drawings is a gratuitous service to the Contractor and in no way relieves the Contractor of full responsibility for the completion of the job as drawn and specified. The approval shall be general and shall not relieve the Contractor from his responsibility for adherence to the Contract or for any error in the drawing and shall represent in substance the following:

"Any modification shown on the attached drawings is approved in the interest of the City of Jersey City to effect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract Price or time; that it is subject generally to all Contract stipulation and covenants; and that it is without prejudice to any and all rights of the City of Jersey City under the Contracts and Surety Bond or Bonds."

Shop drawings and samples shall be dated and marked to show the names of the Project, Engineer, Contractor, originating subcontractor, manufacturer or supplier, and separate detailer if pertinent. Shop drawings shall completely identify Specification section and locations of which materials or equipment are to be installed. Reproductions of Contract Drawings are acceptable as Shop Drawings only when specifically authorized in writing by the Engineer.

Submission of shop drawings and samples shall be accompanied by 2 copies of a transmittal letter containing Project name, Contractor's name, number of drawings and samples, titles and other pertinent data.

Unless otherwise specified, the number of shop drawings and the number of samples which the Contractor shall submit and, if necessary, resubmit, is the number that the Contractor requires to be returned plus 2 copies which will be retained by the Engineer.

Submit minimum 4 prints of each shop drawing, including fabrication erection, layout and setting drawings and such other drawings as required under various sections of the Specifications, until final approval is obtained. Submit minimum 4 copies of manufacturers' description data including catalog sheets for materials, equipment and fixtures, showing dimensions, performance characteristics and capacities, wiring diagrams and controls, schedules, and other pertinent information as required. Where printed materials describe more than one product or model, clearly identify which is to be furnished.

Contractor is responsible for obtaining and distributing required approved prints of shop drawings to his subcontractors and material suppliers after as well as before final approval.

Contractor will keep one set of all approved shop drawings on the project site till completion of the entire Project.

36. TIME FOR COMPLETION, LIQUIDATED DAMAGES AND EXTENSION OF TIME:

It is hereby understood and mutually agreed by and between the Contractor and the City of Jersey City that the date of beginning and the time for completion, as specified in the Contract, of work to be done hereunder are ESSENTIAL CONDITIONS of this Contract; and it is further mutually understood and agreed that the work embraced in this Contract shall be commenced within ten (10) calendar days from the execution of the Contract or as specified in the Notice to Proceed.

The Contractor agrees that said work shall be prosecuted regularly, diligently and uninterruptedly at such rate of progress as will insure full completion thereof within the time specified. It is expressly understood and agreed, by and between the Contractor and the City of Jersey City that the time for the completion of the work described herein is a reasonable time for the completion of the same taking into consideration the average climatic range and usual industrial conditions prevailing in this locality.

If the said Contractor shall neglect, fail or refuse to complete the work within the time herein specified, or any proper extension thereof granted by the City of Jersey City then the Contractor does hereby agree, as a part of the consideration for the awarding of this Contract, to pay to the City of Jersey City the amount specified herein, not as a penalty but as liquidated damages for such breach of contract as hereinafter set forth, for each and every calendar day that the Contractor shall be in default after the time stipulated in the Proposal for completing the work.

Liquidated damages in the amount set forth in the following table will be charged for each Calendar day of delay until the work is completed and accepted. The said amount is fixed and Agreed upon by and between the Contractor and the City of Jersey City because of the impracticability and extreme difficulty of fixing and ascertaining the actual damaged the City of Jersey City would in such event sustain, and said amount is agreed to be the amount of damages which the City of Jersey City would sustain and said amount shall be retained from time to time the City of Jersey City current periodical estimates.

CHARGE FOR LIQUIDATED DAMAGES FOR EACH DAY OF DELAY		
Original Contract Price		Calendar Day or Specified Completion Date
From More than	To and Including	
\$ 0.00	\$ 50,000.00	\$ 200.00
\$ 50,000.00	\$ 100,000.00	\$ 350.00
\$ 100,000.00	\$500,000 0.00	\$ 550.00
\$ 500,000.00	\$1,000,000.00	\$ 675.00
\$ 1,000,000.00	\$ 2,000,000.00	\$ 800.00
\$ 2,000,000.00	\$ 5,000,000.00	\$ 1,000.00
\$ 5,000,000.00	-----	\$ 1,500.00

It is further agreed that time is of the essence of each and every portion of this Contract and of the Specification wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the Contract an additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be of the essence of this Contract. Provided that the Contractor shall not be charged with liquidated damages or any excess cost when the City of Jersey City determines that the Contractor is without fault and the Contractor's reasons for the time extension are acceptable to the City of Jersey City. Provided further, that the Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due:

- a. To any preference, priority or allocation order duly issued by the City of Jersey City;
- b. To unforeseeable cause beyond the control and without the fault or negligence of the Contractor, including but not restricted to, act of God, or of the public enemy, acts of the City of Jersey City, acts of another Contractor in the performance of a Contract with the City of Jersey City, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, severe weather or contaminated soil;
- c. To any delays of subcontractors or suppliers occasioned by any of the causes specified in subsections a and b of this article: Provided further, that the Contractor shall, within ten (10) days from the beginning time prior to the date of final settlement of the Contract, notify the City of Jersey City in writing, of the cause of delay, who shall ascertain the facts and extent of the delay and notify the Contractor within a reasonable time of its decision in the matter.

Except where specifically provided in the Contract Documents the Contractor shall not make any claim for damages or additional compensation for any delay in or hindrance to the performance of this Contract occasioned by any act or omission to act by the City or any of its representatives, or for any of the reasons enumerated in this Subsection and agrees that any such claim shall be fully compensated for by an extension of Contract Time to complete performance of the Work.

37. ACCEPTANCE OF WORK:

When the Project has been completed, the Contractor shall notify the Engineer in writing. If it be not acceptable to the Engineer he will advise the Contractor as to the particular defects to be remedied before final acceptance will be made. Payments made to the Contractor before the final acceptance, do not commit the Engineer to the acceptance of the Project. The final inspection and acceptance will be made by the Engineer when the Project has been completed.

The City shall not be precluded or estopped by any measurement, estimate, or certificate, made either before or after the completion and acceptance of the Project and payment therefor, if such measurement, estimate or certificate be found to be in error or untrue, from showing the true amount and character of the work performed and materials furnished by the Contractor, or from showing that any such measurement, estimate or certificate is incorrectly made or untrue, or that the work or materials do not conform in fact to the requirements of the Contract. The City of Jersey City shall not be precluded or estopped, notwithstanding any such measurement, estimate or certificate, and payment made in accordance therewith, from recovering from the Contractor and his Surety such damages as it may sustain by reason of the Contractor's failure to comply or to have complied with the terms of the Contract.

Neither the acceptance of the whole or any part of the Project by the Engineer or by any representative of the Engineer, nor any payment made for the work, nor any extension of time granted the Contractor, nor any possession taken by the Engineer, shall operate as a waiver of any portion of the Contract or of any power herein reserved, or of any right to damage herein

provided. A waiver of any breach of the Contract shall not be held to be a waiver of any other or subsequent breach.

38. ACCEPTANCE OF FINAL PAYMENT AS RELEASE:

The acceptance by the Contractor of final payment shall be and shall operate as a release to the City of Jersey City of all claims and all liability to the Contractor for all things done or furnished in connection with this work and for every act and neglect of the City of Jersey City and others relating to or arising out of this work. No payment, however, final or otherwise, shall operate to release the Contractor or his Sureties from any obligation under this Contract or the Performance and Payment Bond.

39. SUSPENSION OF WORK:

The Engineer may, by written order, suspend the performance of the work, either in whole or in part, for such periods as he deems necessary. Reasons for suspension of work include but are not limited to the following:

- a) Due to weather or soil conditions or contamination considered unsuitable for prosecution of the work; or
- b) For failure of the Contractor to:
 - 1. Correct conditions unsafe for the workmen or the general public; or
 - 2. Carry out orders given by the Engineer; or
 - 3. Perform any provisions of the Contract.

Suspension of work on some but not all items will be considered "Partial Suspension". During a period of Partial Suspension Work shall continue in an uninterrupted manner on Items not affected by the Partial Suspension. Work of an emergency nature ordered by the Engineer for the convenience of public traffic and minor operations not affected by or connected with the cause of suspension may be performed during a period of total suspension, if permitted by the Engineer.

No compensation or allowance will be made on account of such suspensions unless they shall be for more than 10 working days in aggregate. Should these suspensions be for a total of more than 10 working days and should the Contractor be put to additional expense on account thereof, he shall have the right to file with the Engineer a statement showing the character and amount of such additional expense and, if the Engineer deems it a proper charge, the Contractor will be reimbursed therefore. However, he shall have no claim for additional expense for said first ten days of suspension, and any claim for allowances as above provided shall be filed, in writing, with the Engineer before the expiration of the tenth day of suspension. No payment will be made for work done by the Contractor on suspended work.

Any adjustment of Contract Time for suspension of the work shall be as provided in subsection entitled TIME FOR COMPLETION, LIQUIDATED DAMAGES AND EXTENSION OF TIME.

40. RIGHT OF THE CITY TO DECLARE CONTRACTOR IN DEFAULT:

The City of Jersey City has the right to declare the Contractor in default under the following circumstances:

- a) If the Contractor fails to begin the work within the required time.
- b) If the work to be done under this Contract is abandoned.
- c) If the Contractor is adjudged bankrupt or makes an assignment for the benefit of creditors.
- d) If the Contractor fails to or refuses to regard laws, ordinances, regulations, and such orders as given by the City of Jersey City or Engineer with respect to the work.
- e) If the Contractor, after notice from the Engineer, refuses or fails to supply enough properly skilled workmen or proper materials or equipment.
- f) If the Contractor violates any of the provisions of this Contract or shall not perform the same in good faith.
- g) If the Contractor refuses or fails to prosecute the work or any part thereof, including work not affected by a Partial Suspension during such period of Partial Suspension, with such diligence as will insure the work's completion within the specified period (or any duly authorized extension) or fails to complete the work or any part thereof within the prescribed period.
- h) If the Contractor fails to make prompt payment to persons supplying labor or materials for the work.
- i) If the Contractor assigns or sublets the work otherwise than as specified.
- j) If the Contractor fails to remove an incompetent foreman or superintendent as requested by the Engineer.
- k) If the Engineer is of the opinion, and has certified in writing, that the work or any part thereof is unnecessarily or unreasonably delayed, or that the Contractor is not complying with the order of the Engineer, or that sufficient workmen, materials, plant, tools, supplies, safety standards, or other means of carrying on the work are not provided to carry out all the requirements of the Contract.

The City of Jersey City shall serve written notice to the Contractor ordering the Contractor not to begin, or not to resume, or to discontinue all work under this Contract for any of the above stated reasons.

The City of Jersey City may then enter upon and take possession of the work, or any part thereof and may complete the work by purchase of necessary materials and equipment and by direct employment of labor; or the City of Jersey City may cause the work to be completed by other persons by contract without advertising; or the City of Jersey City may readvertise and relet the uncompleted portions of the work and all expenses or financial loss to the City of

Jersey City by reason of any of the above methods for completing the unfinished work shall be deducted out of monies then due, or to become due the Contractor under this Contract.

In case such expenses shall exceed the amount which would have been payable under this Contract, if the same had been completed by the Contractor, the Contractor or his Sureties shall pay the amount of such excess to the City of Jersey City.

Should such expense be less than the amount payable, under this Contract, had the same been completed by the Contractor, the Contractor or his Surety shall receive the difference after deducting the amount retained as herein before specified.

All the work undertaken by the City of Jersey City, by contract or otherwise, shall be certified by the Engineer as to the amount of work done, the cost and amount of excess cost, if any. Such certification shall be binding and conclusive upon the Contractor, his Sureties, successors, assigns or lienors.

In case this Contract, or any alterations or modifications thereof be thus terminated, the decision of the City of Jersey City shall be conclusive, and said Contractor shall not be allowed to claim or receive any compensation or damages for not being allowed to proceed with the work.

41. REMOVAL OF EQUIPMENT:

In case of termination of work, from any cause whatever, prior to completion, the Contractor shall promptly remove all or any part of his equipment and supplies, as may be directed to be removed in a written notice from the City, from the work. If such removal is not completed within five (5) working days after written notification by the City of Jersey City, the City of Jersey city shall have the right to remove such equipment and supplies at the expense of the Contractor.

42. PAYMENTS:

The Contractor will be entitled to monthly payments for portions of the Project work which has been fully completed as required by the Contract to the satisfaction of the Engineer and such completion has been certified by the Engineer.

To insure proper performance of the Contract, the City shall retain a percentage of the amount of each estimate as herein after described until final completion and acceptance of all work covered by the Contract.

In preparing estimates, the material delivered on the site and preparatory work done may be taken into consideration, if the Contractor furnishes releases of liens for the materials at the time each estimate of work is submitted for payment. All materials and work covered by partial payments made shall thereupon become the sole property of the City, but this provision shall not be construed as relieving the Contractor from the sole responsibility for the care and

protection of materials and work upon which payments have been made or the restoration of any damaged work, or as waiver of the right of the City to require fulfillment of all the terms of the Contract.

The Contractor agrees that he will indemnify and save the City harmless from all claims growing out of the lawful demands of subcontractors, laborers, workmen, mechanics, materialmen, and furnishers of machinery and parts thereof, equipment, power tools, and all supplies, including commissary, incurred in the furtherance of the performance of this Contract. The Contractor shall, at the City's request, furnish satisfactory evidence that all obligations of the nature hereinabove designated have to be paid, discharged, or waived. If the Contractor fails to do so, then the City may, after having served written notice on the said Contractor, either pay unpaid bills, of which the City has written notice, directly, or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of this contract, but in no event shall the provisions of this sentence be construed to impose any obligations upon the City to either the Contractor or his Surety.

In paying any unpaid bills of the Contractor, the City shall be deemed the agent of the Contractor, and any payment so made by the City, shall be considered as a payment made under the Contract by the City to the Contractor, and the City shall not be liable to the Contractor for such payment made in good faith.

A. LUMP SUM PAYMENTS:

The sum bid for any lump sum items shall constitute payment in full for all of the various classes of work, including materials, equipment and labor necessary or required to complete, in conformity with the Contract Documents, the entire Project work shown, indicated or specified under such lump sum item.

B. PROGRESS PAYMENTS:

- (1) On lump sum items, the Contractor shall submit to the Engineer for his approval, prior to the start of the work under the Contract, a schedule giving a breakdown of labor, materials, equipment and other costs used in preparation of the bid. This schedule shall be in sufficient detail to indicate separate figures for excavation, concrete, reinforcing steel, equipment, and all other items which make up the lump sum price. This schedule shall be used in computing the periodic estimate which is issued monthly, and as a basis for negotiations concerning any credits which may arise during the execution of the work of this Contract.
- (2) During the first ten days of each month, the Engineer, in consultation with the Contractor, will estimate the amount of work during the preceding calendar month. The quantities so determined will be used as the basis for a periodic

estimate. The periodic estimate will be presented to the Engineer by the Contractor and shall indicate the value of the work performed and materials and equipment built into the Project, in accordance with the Contract.

As soon as practicable thereafter, the City will pay the Contractor an amount equal to the value of such work, materials and equipment indicated on the periodic estimate less the amount of all previous payments. The retainage as hereinafter described shall be deducted from each and every estimate presented during the Contract and shall be retained until final completion and acceptance of all work covered by the Contract.

- (3) No claim by the Contractor for additional payment based on any error in any periodic estimate will be recognized.
- (4) The City may withhold payment for any of the following:
 - a. Failure to submit a revised progress schedule, which has been approved by the Engineer, with each monthly invoice.
 - b. Defective work not corrected.
 - c. Claims filed or responsible evidence indicating probability of filing claims.
 - d. Failure of the Contractor to make proper payments to Subcontractor or for material or labor.
 - e. Unpaid damages by the Contractor to Subcontractor, the City or any other agency or person.
 - f. In the judgment of the Engineer the Project is not proceeding in accordance with the Contract or the Contractor is not complying with the requirements of the Contract Documents.
 - g. The Contractor is found to be in default.
- (5) No payment voucher shall protect the Contractor and no claim shall be founded thereon by the Contractor in case of overpayment or in case it shall at any time appear that the Project or any part thereof have not been constructed, completed and maintained in strict accordance with the Contract Documents.
- (6) No interim payment voucher shall be held to signify the approval of permanent work, materials, or other things to which such certificate relates and the Contractor shall not be relieved by any such certificates from any risks or liability to which he may be subject under the Contract until the Final Certificate hereinafter referred to has been granted to them.

- (7) Errors in any monthly measurements or bill, on being discovered, shall be rectified by the Engineer in subsequent measurements and bills.
- (8) If any work the value of which has been included in any interim bill is damaged or destroyed and has to be removed or reconstructed by the Contractor an amount representing the value of the work so damaged or destroyed, less any insurance monies therefore received by the City shall be deducted by the Engineer in succeeding monthly bills until such time as such work has been renovated or reconstructed.
- (9) The State Law requires that all claims for payments must be approved by the governing body of the municipality. The Contractor should allow 4 to 6 weeks for receipt of partial payment after the payment has been approved by the Engineer.

C. RETAINAGE:

The following procedures will apply in accordance with the Contractor's chosen option of retainage as indicated on the proposal:

- (1) An amount of ten percent (10%) of each and every payment made to the Contractor shall be withheld by the City until the Project is completed to the satisfaction of the City; and all Maintenance Bonds, Plans, Shop Drawings, etc., are in the possession of the City; and all other requirements of the Contract are met by the Contractor. The amount withheld shall be deposited with a banking institution or savings and loan association insured by an agency of the Federal government, in an account bearing interest at the rate currently paid by such institutions or associations on time or savings deposits. Any interest accruing on cash payments withheld shall be credited to the City.
- (2) Whenever any Contract, the total price of which exceeds \$100,000.00, is entered into by the City for the construction, reconstruction, alteration or repair of any building, structure, facility or other improvement of real property, the amount of withholding enumerated in Item (1) shall be reduced to two percent (2%) pursuant to N.J.S.A. 40A:11-16.3. All other provisions of Item (1) shall remain in full force and effect.
- (3) In lieu of the withholding of funds as prescribed in Item (2) above, the Contractor may agree to deposit with the City prior to each and every payment negotiable bearer bonds of the State of New Jersey, or negotiable bearer bonds or notes of any political subdivision of the State, the value of which is equal to the amount necessary to satisfy the amount that otherwise would be withheld pursuant to Item (2) above. The nature and amount of the bonds or notes to be deposited shall be subject to the approval of the City and shall be deposited

prior to each partial payment. For purposes of this section, "value" shall mean par value or current market value, whichever is lower. The bonds shall be returned to the Contractor pursuant to the same conditions for retainage which is stated in Item (1) above.

The bidder shall denote in the Proposal the method of his choice in accordance with the above amount.

As to the subject retainage, the above provisions are controlling and any and all other references to retainage in these specifications which conflict with the above sections shall be interpreted in the light of the above and, this section taking a precedent over any other.

D. FINAL PAYMENT:

- (1) Upon written notice from the Contractor that the Project is complete, the Engineer will make a final inspection and will notify the Contractor in writing of any particulars in which this inspection reveals that the work is defective. The Contractor shall immediately make such corrections as are necessary to remedy such defects.
- (2) When the Contractor has completed all such corrections to the satisfaction of the Engineer and delivered all maintenance and operating instructions, schedules, as-built drawings, guarantees, bonds, certificates and other documents, all as required by the Contract Documents, he may make application for final payment. The Engineer will determine from actual as-built field measurement, the amount of the work performed by the Contractor, and also the value of such work under and according to the terms of the Contract. After final acceptance of the Project, completed, in place, tested and ready for use, the Engineer will process the final certificate for payment upon receipt of a Maintenance Bond as described in these Specifications. The final payment will include retainage and all other monies due the Contractor as determined by the Engineer. The final certificate will also serve as an instrument to recommend release of negotiable securities held as retainage.
- (3) The acceptance by the Contractor of final payment shall be and shall operate as a release to the City of all claims and all liability to the Contractor for all things done or furnished in connection with this work and for every act and neglect of the City and others relating to or arising out of this work. No payment, however, final or otherwise shall operate to release the Contractor or his Sureties from any obligation under this Contract or the Performance and Payment Bond.

43. MAINTENANCE BOND:

Before final payment is made, the Contractor shall furnish a surety corporation bond to the Engineer in a sum equal to ten percent (10%) of the final Contract price. The bond shall remain in full force and effect for a period of one (1) year from the date of acceptance of the Project 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 requirement of the Contract, and make good the defects thereof which have become apparent before the expiration of the said period of one (1) year.

The date of acceptance is defined as the date when all punch list items have completed to the satisfaction of the engineer.

If, in the judgment of the Engineer, any part of the Project need be replaced, repaired or made good during the specified guarantee period, for the reasons stated above, 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, the Contractor agrees that the Engineer may 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 forgoing obligations have been duly performed.

No separate payment shall be made for the Maintenance Bond but the costs for this Bond shall be included in the prices bid for the various items scheduled in the Proposal.

44. SUBCONTRACTING:

The Contractor shall not subcontract, sublet, sell, transfer, assign, or otherwise dispose of any portion of the contract work without written consent of the Engineer. Before consent is given to subcontract any work, the Contractor, if requested by the Engineer, shall present evidence that the proposed subcontractor is fully qualified to do the work. If consent is given, the Contractor will be permitted to subcontract a portion of the work, but shall perform with his own organization, work amounting to not less than fifty percent (50%) of the original Contract amount, except that any items designated in the Contract as "specialty items" may be performed by subcontract and the cost of any such specialty items so performed by subcontract may be deducted from the original Contract amount before computing the amount of work required to be performed by the Contractor with his own organization. No subcontracts shall relieve the Contractor of his liability under the Contract and Bonds.

No subcontract, approval of a subcontract, or any other action shall create any contractual relation between subcontractors and the City of Jersey City. The Contractor shall be liable and

responsible for any action or lack of action of a subcontractor. Contractors and subcontractors shall be charged with all direct, imputed or presumed knowledge the others might possess.

Within ten (10) days after award, either by the Contractor or subcontractor, of any subcontract for performance of work at the construction site, the Contractor shall deliver to the Contracting Officer and Engineer an executed statement and acknowledgment in regard to award of subcontract and incorporation of labor clauses in the subcontract.

45. PREVAILING RATE OF WAGES ON PUBLIC CONTRACTS:

The attention of all Bidders is specifically called to the fact that wage rates determined by the Commissioner of Labor and Industry, in accordance with the provisions of Chapter 150 of the Laws of 1963, commonly known as the Prevailing Wage Act, shall be required to be paid for all services performed under this Contract.

The wages to be paid for a legal day's work to laborers, workmen or mechanics employed upon the work contemplated by this Contract or upon any materials to be used thereon shall not be less than the "Prevailing Rate of Wage", pursuant to law, which Schedule of Wage Rates is on file in the office of the Purchasing Agent and hereby made part of this Contract.

The Act also provides among other requirements, the following, which are selected excerpts from the Statute: Every Contract in excess of \$2,000.00 for any public work to which any public body is a party shall contain a provision stating the prevailing wage rate which can be paid (as shall be designated by the Commissioner) to the workmen employed in the performance of the contract and the contract shall contain a stipulation that such workmen shall be paid not less than such prevailing wage rate. Such contract shall also contain a provision that in the event it is found that any workman, employed by the Contractor or any Subcontractor covered by said contract, has been paid by such contract the public body may terminate the Contractor's or Subcontractor'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 public body for any excess costs occasioned thereby.

The public body awarding any contract for public work or otherwise undertaking any public work shall ascertain from the commissioner the prevailing wage rate in the locality in which the public work is to be performed for each craft or trade needed to perform the contract and shall specify in the contract itself what the prevailing wage rate in the locality is for each craft or trade or classification of all workmen needed to perform the contract during the anticipated term thereof. Nothing in this act however shall prohibit the payment of more than the prevailing wage rate to any workmen employed on a public work.

Every Contractor and Subcontractor shall keep an accurate record showing the name, craft or trade and actual hourly rate of wages paid to each workman employed by him in connection with a public work and such records shall be preserved for two (2) years from date of payment. The record shall be open at all reasonable hours to the inspection of the public body awarding the contract and to the commissioner.

The State of New Jersey Department of Labor and Industry prevailing wage rates are made a part of this Contract for performance of the work described.

46. EQUAL EMPLOYMENT OPPORTUNITY/AFFIRMATIVE ACTION:

Bidders (Contractors) are required to comply with the provisions of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27 et seq. No firm may be issued a contract unless it complies with these affirmative action provisions. The following information summarizes the full, required regulatory text, which is included as Exhibit B of this bid specification:

After notification of award, but prior to signing the contract, the contractor shall submit to the Public Agency Compliance Officer and the New Jersey Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division) an Initial Project Workforce Report (Form AA201), 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 shall also submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of the contract to the Division and to the Public Agency Compliance Officer. The contractor shall also 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.

47. AMERICANS WITH DISABILITIES ACT OF 1990

Discrimination on the basis of disability in construction contracting is prohibited. Bidders are required to read Americans With Disabilities language that is included as Appendix A of this specification and agree that the provisions of Title II of the Act are made a part of the contract. The contractor is obligated to comply with the Act and to hold the owner harmless.

48. WARRANTY OF TITLE:

No material, supplies, or equipment to be installed as part of the work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies and equipment installed or incorporated in the work and, upon completion of all work shall deliver the same together with all work and appurtenances constructed or placed thereon by him to the City of Jersey City free from any claim, liens, or charges. Neither the Contractor nor any person, firm, or corporation furnishing any material or labor for any work covered by this Contract shall have any right to a lien upon any work or appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of person furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such person to look

to funds due Contractor in the hands of the City of Jersey City. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

49. COMMUNICATIONS:

All notices, demands, requests, instructions, approvals, proposals and claims must be in writing.

50. DEFECTIVE WORK:

All materials furnished and all work performed which, in the opinion of the Engineer, is not in accordance with the Plans and Specifications shall be removed from the City immediately, and other materials which are satisfactory shall be furnished and work which is satisfactory shall be performed. In the event that defects are discovered, the Contractor shall immediately take all actions necessary to correct any and all defects to achieve compliance with the Plans, Specifications or as directed by the Engineer. The Contractor is responsible for his own work and that of his subcontractors. The Contractor is to guarantee that all work and materials are in all respects conformable to the Plans and Specifications.

51. RECORDS AND REPORTS:

At any time during normal business hours upon giving reasonable notice, the Contractor agrees to grant the City, the Comptroller General of the United States, or any of their duly authorized representatives access to all of his records and reports relating to this Contract. The Contractor agrees to maintain all records and reports relating to this Contract for a period of three years after final payment is made by the City and the Contract Work is accepted as complete. The provisions of this paragraph shall be inserted in all subcontracts by the Contractor.

52. CORELATED SPECIFICATIONS:

In addition to these Specifications, the following Standard Specifications & Codes shall be considered a part of these specifications where such specifications are applicable, and shall include all current changes and revisions:

1. New Jersey State Department of Transportation Standard Specifications for Road and Bridge Construction, 2007 as currently amended.
2. Uniform Construction Code, Chapter 23, Title 5, New Jersey Administrative Code.
3. Ordinances and Resolutions of the City of Jersey City.
4. American Society for Testing and Materials Standards.
5. National Standard Plumbing Code.

6. National Electrical Code.
7. American Concrete Institute Building Code.
8. Standard Specifications of the American Water Works Association.
9. Manual of Uniform Traffic Control Devices, 2003 as currently amended.
10. International Building Code, 2009 or as currently amended.
11. National Association of Aluminum Metal Manufacturers (NAAMM).

53. USE AND OCCUPANCY PRIOR TO ACCEPTANCE BY THE CITY:

The Contractor agrees to the use and occupancy of a portion or unit of the Project before formal acceptance by the City, provided the City:

- a. Secures written consent of the Contractor; except in the event, in the opinion of the Engineer, the Contractor is chargeable with unwarranted delay in completing the contract requirements,
- b. Secures consent of the Surety,
- c. Secures endorsement from the insurance carrier (s) permitting occupancy of the building or use of the Project during the remaining period of construction, or
- d. When the Project consists of more than one building, and one of the buildings is occupied, secures permanent fire and extended coverage insurance, including a permit from the insurance carrier to complete construction.

54. STATED ALLOWANCES:

The Contractor shall include in his Proposal the cash allowances if any, stated in the Technical Specification Conditions. The Contractor shall purchase the "Allowed Materials" as directed by the Engineer on the basis of the lowest and best bid of at least three competitive bids. If the actual price for purchasing the "Allowed Materials" is more or less than the "Cash Allowance", the contract price shall be adjusted accordingly. The adjustment in contract price shall be made on the basis of the purchase price without additional charges for overhead, profit, insurance or any other incidental expenses. The cost of installation of the "Allowed Materials" shall be included in the applicable sections of the Contract Specifications covering this work.

55. New Jersey Business Registration Requirements for Construction Contracts

P.L.2004, c. 57 (Chapter 57) amends and supplements the business registration provisions of N.J.S.A. 52:32-44 which requires that each bidder (contractor) submit proof of business registration with the bid proposal or prior to the contract award. Proof of registration shall be a copy of the bidder's Business Registration Certificate (BRC). A BRC is obtained from the New Jersey Division of Revenue. Information on obtaining a BRC is available on the internet at www.nj.gov/njbgs or by phone at (609) 292-1730. N.J.S.A. 52:32-44 imposes the following requirements on contractors and all subcontractors that **knowingly** provide goods or perform services for a contractor fulfilling this contract:

- a) The contractor shall provide written notice to its subcontractors and suppliers to submit proof of business registration to the contractor;
- b) Prior to receipt of final payment from a contracting agency, a contractor must submit to the contracting agency an accurate list of all subcontractors or attest that none was used;
- c) During the term of this contract, the contractor and its affiliates shall collect and remit, and shall notify all subcontractors and their affiliates that they must collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into this State.

A contractor, subcontractor or supplier who fails to provide proof of business registration or provides false business registration information shall be liable to a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration not properly provided or maintained under a contract with a contacting agency. Information on the law and its requirements is available by calling (609) 292-1730.

**SCHEDULE OF REQUIRED
SUBMITTALS**

SCHEDULE OF REQUIRED SUBMITTALS BY BIDDER

NO.	SUBMITTAL ITEM	TIME OF SUBMISSION	CONSEQUENCES OF NON COMPLIANCE
1.	PROPOSAL	PRIOR TO BID OPENING	BID REJECTED
2.	CERTIFICATE OF EXPERIENCE OF GENERAL CONTRACTOR	WITH PROPOSAL	BID REJECTED
3.	CERTIFICATES OF EXPERIENCE OF SUBCONTRACTORS LISTED PURSUANT TO N.J.S.A. 40A:11-16	WITH PROPOSAL, OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED
4.	PLANT AND EQUIPMENT QUESTIONNAIRE OF GENERAL CONTRACTOR	WITH PROPOSAL	BID REJECTED
5.	PLANT AND EQUIPMENT QUESTIONNAIRE COMPLETED BY SUBCONTRACTORS LISTED PURSUANT TO N.J.S.A. 40A:11-16	WITH PROPOSAL OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED
6.	NON-COLLUSION AFFIDAVIT	WITH PROPOSAL, OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED
7.	CORPORATION OR PARTNERSHIP STATEMENT	WITH PROPOSAL	BID REJECTED
8.	BID GUARANTEE	WITH PROPOSAL	BID REJECTED
9.	CONSENT OF SURETY	WITH PROPOSAL	BID REJECTED
10.	NEW JERSEY BUSINESS REIGISTRATION CERTIFICATES FOR GENERAL CONTRACTOR AND ALL SUBCONTRACTORS LISTED PURSUANT TO N.J.S.A.40A:11-16	WITH PROPOSAL OR PRIOR TO AWARD OF CONTRACT	BID MAY BE REJECTED
11.	EQUALITY INFORMATION ON SUBSTITUTED ITEMS (IF APPLICABLE)	WITH PROPOSAL OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED
12.	WRITTEN ACKNOWLEDGEMENT OF ADDENDA (IF ISSUED) PURSUANT TO <u>N.J.S.A. 40A:11-23.2,(e)</u>	WITH PROPOSAL (SEE BID FORM P-1)	BID REJECTED
13.	PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATES FOR GENERAL CONTRACTOR AND ALL SUBCONTRACTORS LISTED PURSUANT TO N.J.S.A. 40A:11-16	WITH PROPOSAL, OR PRIOR TO CONTRACT AWARD	BID REJECTED (SEE SECTION 8 OF INFORMATION TO BIDDERS)
14.	EXHIBIT B: MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE	WITH PROPOSAL, OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED

SCHEDULE OF REQUIRED SUBMITTALS BY BIDDER

15.	MWBE (CONTRACTOR COMPLIANCE PLAN)	WITH PROPOSAL, OR WITHIN 24 HOURS OF BID OPENING	BID MAY BE REJECTED
16.	INITIAL MANNING REPORT (JCAA-1)	AFTER NOTIFICATION OF AWARD BUT PRIOR TO SIGNING A CONSTRUCTION CONTRACT	FORFEITURE OF BID SECURITY
17.	MONTHLY PROJECT WORKFORCE REPORT	EVERY SEVENTH (7 TH) OF THE MONTH THEREAFTER FOR THE DURATION OF CONTRACT	DEFAULT OF CONTRACT
18.	INSURANCE CERTIFICATES	PRIOR TO EXECUTION OF CONTRACT BY THE CITY	FORFEITURE OF BID SECURITY
19.	PERFORMANCE AND PAYMENT BOND	PRIOR TO EXECUTION OF CONTRACT BY THE CITY	FORFEITURE OF BID SECURITY
20.	EXECUTION OF CONTRACT AGREEMENT	WITHIN 10 DAYS OF CITY NOTICE OF CONTRACT AWARD	FORFEITURE OF BID SECURITY
21.	CONSTRUCTION PERMITS	PRIOR TO START OF CONSTRUCTION (WHERE REQUIRED)	DEFAULT OF CONTRACT
22.	SUBCONTRACTOR PREQUALIFICATION AND INSURANCE OTHER THAN THOSE LISTED UNDER N.J.S.A. 40A:11-16	PRIOR TO SUBCONTRACTOR'S PARTICIPATION	DENIAL OF SUBCONTRACTOR OR DEFAULT
23.	MATERIAL CERTIFICATIONS	PRIOR TO INCORPORATION IN PROJECT	REMOVAL OF UNAPPROVED MATERIALS OR DEFAULT OF CONTRACT
24.	SHOP DRAWINGS	PRIOR TO INCORPORATION IN PROJECT	REMOVAL OF UNAPPROVED MATERIALS OR DEFAULT OF CONTRACT
25.	PRECONSTRUCTION PHOTOGRAPHS	PRIOR TO COMMENCEMENT OF WORK OR STOCKPILING OF MATERIALS (WHERE REQUIRED)	DEFAULT OF CONTRACT
26.	NOTIFICATION TO PUBLIC UTILITIES	PRIOR TO COMMENCEMENT OF WORK	DEFAULT OF CONTRACT
27.	COMMENCEMENT OF WORK RECEIPT EXECUTED	WITHIN 10 DAYS OF CONTRACT OR AS STATED IN "NOTICE TO PROCEED"	DEFAULT OF CONTRACT
28.	CLAIMS FOR EXTRA COST	WITHIN 48 HOURS OF INSTRUCTIONS FROM ENGINEER	DENIAL OF CLAIM

SCHEDULE OF REQUIRED SUBMITTALS BY BIDDER

29.	CONSTRUCTION SCHEDULE/PERIODIC ESTIMATES	PRIOR TO COMMENCEMENT OF WORK AND FOLLOWING WITH EACH PARTIAL PAYMENT	PROCESSING OF PAYMENT WITHHELD UNTIL UPDATED AND APPROVAL RECEIVED
30.	REQUEST FOR ADDITIONAL TIME	WITHIN 10 DAYS OF BEGINNING OF DELAY	DENIAL OF REQUEST, LIQUIDATED DAMAGES
31.	WATER SAMPLE ANALYSIS OR OTHER REQUIRED TESTS	TESTING OF NEW WATER MAINS AND EQUIPMENT	NO ACCEPTANCE, FINAL PAYMENT WITHHELD

The contractor shall provide all submittals required under this contract whether or not listed above.

**TECHNICAL
SPECIFICATIONS**

AMENDMENTS

TO

NEW JERSEY

DEPARTMENT OF TRANSPORTATION

STANDARD SPECIFICATIONS

FOR

ROAD AND BRIDGE CONSTRUCTION

2007

DIVISION 100 - GENERAL PROVISIONS

THE FOLLOWING SECTIONS OF THE NJDOT STANDARD SPECIFICATIONS ARE DELETED:

SECTION 101 - GENERAL INFORMATION

SECTION 102 - BIDDING REQUIREMENTS AND
CONDITIONS

SECTION 103 - AWARD AND EXECUTION OF CONTRACT

SECTION 104 - SCOPE OF WORK

SECTION 105 - CONTROL OF WORK

SECTION 106 - CONTROL OF MATERIAL

SECTION 107 - LEGAL RELATIONS

SECTION 108 - PROSECUTION AND PROGRESS

SECTION 109 - MEASUREMENT AND PAYMENT

DIVISION 150 – CONTRACT REQUIREMENTS

The following Sections of the NJDOT Standard Specifications are deleted:

SECTION 151 – PERFORMANCE BOND AND PAYMENT
BOND

SECTION 152 – INSURANCE

SECTION 153 – PROGRESS SCHEDULE

SECTION 154 – MOBILIZATION

SECTION 155 – CONSTRUCTION FIELD OFFICE

SECTION 156 – MATERIALS FIELD LABORATORY
AND CURING FACILITY

SECTION 157 – CONSTRUCTION LAYOUT AND MONUMENTS

SECTION 161 – FINAL CLEAN-UP

SECTION 154-MOBILIZATION

Replace entire Section with following:

154.01 DESCRIPTION

This section describes requirements for mobilization.

154.02 MATERIALS

(Intentionally Blank)

154.03 PROCEDURE

154.03.01 Mobilization

Mobilization consists of the preparatory work and operations, including moving personnel, equipment, supplies and incidentals to the project limits. It also includes all other work performed and costs incurred before beginning work on various Items in the Contract such as bonds, insurance and progress schedule.

This work shall also consist of taking photographs of the areas of sidewalk replacement prior to the start of construction and at the end of construction. Photographs shall be 5" x 7" minimum, labeled and assembled in a 3 ring binder. A CD shall also be provided.

154.04 MEASUREMENT AND PAYMENT

The City will measure and make payment for Items as follows:

Item	Pay Unit
Mobilization	Lump Sum

The City will make payment for MOBILIZATION on a lump sum basis, regardless of the number of items the Contractor shuts down and returns to the Project. The City will make payment as follows:

Work completed	Payment
5% of the work	Lesser of 25% of the bid price or 2.5% of Total Contract Price.
10% of the work	Lesser of 50% of the bid price or 5.0% of Total Contract Price.
15% of the work	Lesser of 75% of the bid price or 7.5% of Total Contract Price.
20% of the work	Lesser of 100% of the bid price or 10% of Total Contract Price.
100% of the work	Amount of bid price not previously paid

1.If the base line schedule is not approved, the City will not make payment for Mobilization.

The City will calculate the percentage of Work completed from the total of payments compared to the Total Contract Price. The total of payments excludes the amount paid for Mobilization and the amount paid for materials furnished but not incorporated into the work as specified in 109.06.

If mobilization is not included in the Proposal, include the costs in the various Items scheduled in the Proposal.

SECTION 159-TRAFFIC CONTROL

159.01 DESCRIPTION

The following is added:

Traffic Control shall be as specified herein, the 2009 Manual of Uniform Traffic Control Devices (MUTCD) as currently amended and the 1989 Jersey City Traffic Barricade Manual as currently amended.

Attention is directed to the fact that maintaining and protecting traffic is considered as important and necessary a part of the work as is the actual construction work.

159.03 PROCEDURE

159.03.01 Traffic Control Coordinator

The following subsections are added:

A. General

Before any work starts, the contractor shall obtain a general traffic permit and street closing permits if required from the Jersey City Division of Architecture, Engineering, Traffic and Transportation located at 13-15 Linden Avenue East. There will be no charge for the permits.

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

The portion of the Project that is opened to traffic shall be kept in such condition that traffic is adequately accommodated. Temporary approaches or crossings at intersections, and access to roadways, businesses, parking lots, residences, and garages shall be provided and maintained in a safe condition.

The Contractor shall notify in writing via a leaflet all residents and businesses, block by block, at least forty-eight (48) hours prior to the commencement of construction, including paving, on that block. Also, the contractor shall coordinate his work with the local businesses so as to minimize disruption of normal business operations during construction. Commercial driveway access shall be maintained at all times except during paving operations.

The Contractor shall notify the Jersey City Parking Authority (JCPA) who shall post 12" x 18" red on white cardboard "EMERGENCY NO PARKING FROM _____ to _____" as may be necessary 36 to 48 hours in advance of any operation where parking will be prohibited subject to the approval the

Engineer. These signs shall be rigidly placed on utility poles, trees or other structures and shall be promptly removed by the Contractor once work is completed and parking is restored. There will be no charge for the posting of signs by the JCPA. The JCPA may supply the Contractor with blank "Emergency No Parking" signs and allow him to post the signs.

The Contractor shall coordinate his operations with any other work of the Engineer/Traffic Engineer, and the utility companies, within the areas affected by his work, to the end that interruptions to and interference with the general pattern of traffic along the line of work and on connecting streets will be kept to an absolute minimum, and the traveling public will be subject to a minimum of delay and hazard.

Attention is called to the importance of maintaining access for emergency vehicles of the Police and Fire Departments, and for ambulance service. The contractor shall open to traffic any portions of the traveled ways at such time as ordered by the Engineer.

Equipment or machinery having crawler tracks or other treads that may mar or damage pavements shall not move over or operate from newly constructed or existing pavements to remain unless precautions are taken to prevent such damage.

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 as directed at the Contractor's expense, or the repairs will be made by the City and the cost of such repairs will be deducted from any monies due or that may become due the Contractor.

Any restrictions of required traffic lane widths or diversion of traffic at any time are subject to approval of the Engineer. Reduction of the number of lanes available for traffic or construction within existing widths of traveled way will not be permitted until after 9:00 am and shall be removed prior to 4:00 pm unless otherwise specified on the Traffic Control Plans or as directed by the Engineer.

Work which will interfere with traffic or restrict the width of traveled way available for traffic shall not be performed on Saturdays, Sundays or Legal Holidays unless otherwise directed by the Engineer/Traffic Engineer.

Any restrictions of required traffic lane widths or diversion of traffic at any time are subject to approval. The Contractor shall maintain one minimum 12' wide lane for vehicular traffic in each direction at all times during construction unless otherwise directed by the Engineer.

All excavations shall be backfilled or covered up with steel plates securely anchored to the pavement with railroad spikes and ramped with Hot Mix Asphalt Patch at the end of each working day allowing the entire roadway to be opened to traffic during night hours.

Except as necessary during actual working hours, and then only with approval, equipment, materials, personnel, or employee vehicles shall not occupy any traveled way, shoulder, median, or sidewalk area within or adjacent to the Project that is open to traffic.

Work that closes or alters the use of existing roadways shall not be undertaken until adequate temporary or permanent provisions for traffic have been approved.

Where it is necessary for pedestrians to cross or walk within the limits of the Project, temporary sidewalks shall be provided, maintained, and removed as directed.

Construction above vehicular or pedestrian traffic shall not be performed unless there is explicit provision made in the Special Provisions or written permission given. Subject to such provision or permission, necessary devices and means to protect such traffic from falling construction materials or other objects, and from painting operations shall be provided at no cost to the City during the time that construction is performed above traffic. The precautions to be taken for the protection of traffic are subject to approval.

Prior to beginning a seasonal shutdown or any other prolonged work stoppage or when work is suspended by the Engineer, all excavated areas within the traveled way or adjacent thereto shall be brought to a grade compatible with the existing traveled way or to finished grade, as approved.

Vehicles hauling materials shall have tight bodies and tailgates, with adequate freeboard and covers to prevent spillage for any reason. All materials dropped or spilled on public roads or streets shall be removed daily or at such times as required to preclude the creation of a traffic hazard.

In the case of a contract requiring the placing of a course upon a course or subgrade previously constructed, the contractor shall maintain the previous course or subgrade during all construction operations.

On any section opened to traffic, whether provided for in the contract documents or opened as directed, any damage to the roadway due to the contractor's operations shall be repaired at no cost to Jersey City.

The Contractor shall not be responsible for removal of ice or snow from sections of roadways opened to traffic or for damage to the project caused by the operation of snow plows or other snow removal or deicing operations carried on by others under the supervision or direction of Jersey City.

The Contractor shall not be responsible for mowing unless an item for mowing is scheduled in the Proposal form.

The Engineer may direct the Contractor to construct Hot Mix Asphalt patch in order to maintain sections of traveled way and shoulders in a smooth riding condition at all times including seasonal shutdowns. Payment for Hot Mix Asphalt patch will be made in accordance with the item Hot Mix Asphalt Patch except for those areas which are damaged by the Contractor's operations.

The Contractor shall be responsible for the Maintenance and Protection of Traffic within the project limits until acceptance. This maintenance shall consist of the continuous and effective work prosecuted day by day throughout the working and non-working hours including weekends and holidays with adequate equipment and forces to the end that the roadway is kept in satisfactory condition at all times as directed by the Engineer/Traffic Engineer.

No requirement or omission to require any precautions under this contract shall be deemed to limit or impair any responsibility or obligations assumed by the contractor under or in connection with this Contract, and the contractor shall, at all times, maintain adequate protection to safeguard the public and all persons engaged in the work and shall take such precautions as will accomplish such end, without undue interference with the public.

If the Contractor at any time fails to comply with these provisions, the Engineer will immediately notify the contractor of such non-compliance. If the contractor fails to remedy unsatisfactory maintenance within 24 hours after receipt of such notice, the Engineer may proceed to maintain the project and the entire cost of this maintenance will be deducted from any monies due or that may become due the contractor.

B. Detours

Approval of the Engineer and consent of the local authorities having jurisdiction shall first be obtained for rerouting traffic over detours that are not shown on the Plans. All necessary arrangements shall be made with such authorities regarding the establishment, maintenance, and repair of such detours, the regulation and direction of traffic thereon, and signing adequate directional and detour signs, acceptable to the local authorities, shall be furnished and erected at the locations where such authorities may direct. All Work in connection with such detours shall be at no cost to the City.

Any detours used exclusively for hauling materials and equipment shall be constructed and maintained at no cost to the City.

The project shall be constructed in accordance with Traffic Control plans proposed by the Contractor subject to the approval of the Engineer unless there are specific Traffic Control Plans in the contract.

C. Stage Construction

The Engineer shall be notified one month in advance of a tentative date for establishing new traffic patterns. This date shall be finalized 14 calendar days before the establishment of the new traffic patterns resulting from stage construction; and 21 calendar days before the establishment of a detour for the closing of any roadways.

Existing roadways that are proposed to be dead-ended or abandoned shall not be closed to traffic until adequate temporary or permanent provisions for traffic have been approved.

All work on active roadways shall be done in approved stages half of the roadway width at a time as necessary to maintain vehicular and pedestrian traffic unless otherwise shown on the plans or as directed by the Engineer.

159.03.02 Traffic Control Devices

The following is added to the first paragraph:

Any traffic control devices stolen or damaged in any way shall be repaired or replaced without additional compensation.

159.03.07 HMA Patch

The following is added:

HMA patch shall also be used for the temporary patching of areas disturbed by sidewalk and driveway construction as well as the ramping of utility castings exposed by milling prior to paving.

159.03.08 Traffic Direction

A. Flagger

The last sentence is changed to:

Ensure that the flagger is equipped with a STOP/SLOW paddle and follows MUTCD flagging procedures.

B. Police

Replace the entire subsection and heading with the following:

B. Jersey City Police Traffic Directors

1. General

Police Traffic Directors for this project shall be off-duty Law Enforcement Officers of the Jersey City Police Department. The Police Traffic Directors shall be responsible for maintaining traffic flow, directing the towing of illegally parked vehicles and helping to provide safety for pedestrians and workmen at the project site. The police traffic directors shall be located where shown on the plans or at specific locations designated by the Engineer, the Contractor and/or the Jersey City Police Department during construction hours.

The Contractor shall comply with any rule or regulation of the State of New Jersey and the City of Jersey City relative to providing uniformed Police Officers of the City of Jersey City to regulate or control traffic on existing streets which are interfered with the Contractor's operations. Jersey City Police Traffic Directors are required when working at signalized intersections and during milling and paving operations. City of Jersey City Ordinance No. 11-011 adopted by the Municipal Council on January 26, 2011 establishes the procedure and fees for providing off-duty police officers for Special Detail Assignments. A summary of those procedures and fees is contained herein.

2. Request for Services

The City of Jersey City is divided into four (4) Districts: North, South, East and West. The contact person to request the services of off-duty law enforcement officers in the City of Jersey City Police Department are as follows:

J. C. POLICE OFFICE OF OFF-DUTY EMPLOYMENT

1 Journal Square
JERSEY CITY, NEW JERSEY 07307
PHONE: 201 547-5830, 5832, 5833
TOM MAHONEY
CELL: 201-566-5402
FAX: 201-547-5910
E-MAIL: TMAHONEY@ NJCPS.ORG

J. C. POLICE NORTH DISTRICT
282 CENTRAL AVENUE
JERSEY CITY, NEW JERSEY 07307
P.O. KEITH COLON
201 547-5350
CELL: 551 655 0739

J.C. POLICE SOUTH DISTRICT
191 BERGEN AVENUE
JERSEY CITY, NEW JERSEY 07305
P.O. JAMES CARDINALY
201 547-5456
CELL: 201-376-3375

J.C. POLICE EAST DISTRICT
207 7TH STREET
JERSEY CITY, NEW JERSEY 07302
P.O. JOHN TOMEI
201 547-5408
CELL: 201- 780-6755

J.C. POLICE WEST DISTRICT
576 COMMUNIPAW AVENUE
JERSEY CITY, NEW JERSEY 07304
P.O. ANTHONY IANNICO
201 547-5450 OR 5446 OR 5447
CELL: 201-852-5030

This project is located in all four Districts.

All requests for services for a period of one week or longer shall be made at least 10 days before such services are required. All requests for services for a period of less than one week shall be made as soon as practicable but in no event less than 24 hours before such services are required, except in an emergency situation.

3. Trust Account

To assure the timely payment of wages to police officers who perform off-duty services and to meet the requirements of the Fair Labor Standards Act, the City of Jersey City has established a Trust Account known as the "Off Duty Employment Trust Account". This Trust Account is dedicated for the receipt of fees collected for the payment for off-duty employment.

A prospective employer of an off-duty police officer shall estimate the number of hours requires. The estimate shall be approved in writing by the chief of police and an amount sufficient to cover the rates of compensation and administrative fees set forth in Subsection D for the total estimated hours of service shall be deposited into the Trust Account.

All payments must be remitted directly to the City of Jersey City for said account. Deposits shall be in the form of certified check, bank check, money order or business check at the discretion of the Fiscal Officer. No officer shall be paid directly by any employer for requested services nor provide any such services for more hours than are specified in the request for services.

In the event funds in any individual or entity's Trust Account should become depleted, services of off-duty law enforcement officers shall cease and requests for further or future services shall not be performed or posted until additional funds have been deposited in the Trust Account.

In the event of a project which requires services over an extended period of time, the Jersey City Police Department Fiscal Officer may require advance payment equal to 25% of the projected extended time period with additional 25% advances as the project continues.

4. Rates of Compensation

Rates of compensation including a \$5.00 per hour administrative fee for contracting the services of off-duty law enforcement officer are as follows:

Police Officer For Detail at Construction Site on a City Project

7:00 am to 4:00 pm	\$40.00/Hour
7:00 am to 4:00 pm (Over time rate over 8 Hour)	\$57.50/Hour
4:00 pm to 6:00 am (Over time and Night Differential)	\$67.50/Hour
4:00 pm to 6:00 am (Night Differential)	\$50.00/Hour
Saturday (Time and a Half Rate)	\$57.50/Hour (After 4:00pm additional \$10.00/Hour)
Sunday or Holidays (Double Time Rate)	\$75.00/Hour (After 4:00pm additional \$10.00/Hour)

Police Officer Supervisor of the Rank of Sergeant or Lieutenant

Add an additional \$10.00/Hour

Police Vehicle and Fuel

\$10.00/Hour

Holidays referenced herein are New Years Eve, New Years Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day following Thanksgiving Day, Christmas Eve and Christmas Day.

A prospective employer who fails to notify the Jersey City Police Department at least Twelve (12) hours before the commencement of services shall compensate the officer for four (4) hours. If the officer works less than four (4) hours and the job is completed, the officer is entitled to be paid a minimum four (4) hours at the rates of compensation listed above. The City of Jersey City Division of Engineering, Traffic and Transportation will not reimburse the contractor for Jersey City Police Traffic Directors who are not cancelled at least Twelve (12) hours prior to the scheduled start time to cancel the job except for unforeseen weather conditions.

SPECIAL NOTE

The contractor shall keep a neat and organized record log book showing the date, time, location and number of hours worked by Jersey City Police Traffic Directors on this project. Every Jersey City Police Traffic Director shall sign the log book. Copies of this record log book and the Contractor's own daily sign-in sheets shall be submitted to the Engineer before reimbursement payment is made to the contractor.

159.03.09 EMERGENCY TOWING SERVICE

Replace entire subsection with the following:

The Jersey City Police Department will arrange for towing services to remove vehicles as required during the course of the construction of the Project.

159.04 MEASUREMENT AND PAYMENT

Delete the last two items:

Add the following items:

Item	Pay Unit
Barrels	Unit
Cones	Unit
Construction Signs	SF
Traffic Director, Flagger	Hour
Traffic Director, Jersey City Police	Hour
Traffic Director, Jersey City Police (overtime rate, 7:00 am to 4:00 pm)	Hour
Traffic Director, Jersey City Police (overtime rate +night differential 4:00 pm to 6:00 am)	Hour
TrafficDirectorNightTime,J.C.Police(nigh-differential4pm-6pm)	Hour
Traffic Director Supervisor, J.C. Police	Hour
Police Vehicle and Fuel	Hour

The following is added to the First paragraph:

Separate payment will not be made for relocating Traffic Control Devices from street to street. Payment will be made for the maximum quantity of Traffic Control Devices required to be in service at one time according to traffic control requirements.

The Last paragraph is deleted.

The following is added:

Separate payment will not be made for posts for Construction Signs.

Separate payment will not be made for Traffic Control Coordinator but all costs thereof shall be included in the various Pay Items scheduled in the Proposal.

Separate payment will not be made for coordinating with the JCPA for the posting of the "Emergency No Parking signs or notifying all residents and businesses in writing but all costs thereof shall be included in the Various Pay Items Scheduled in the Proposal.

SECTION 201 - CLEARING SITE

201.03 CONSTRUCTION

201.03.09 Disposal of Removed Materials and Debris

This subsection is changed to:

The disposal or recycle of materials and debris accumulated by clearing site, removal of roadway, sewers and other structures is regulated under the Solid Waste Management Act (NJSA 13:1E-1) and is governed by NJAC 7:26 eT seq. The Contractor shall dispose of the material and debris in accordance with the Solid Waste Management Plan developed by the Hudson County Solid Waste Management District. Proper documentation from the Disposal Facility shall be submitted to the Engineer and the county of origin within 15 days of acceptance at the Disposal Facility.

For recycling of Class B materials, the documentation, which shall be provided to the Engineer prior to the use of a particular facility, shall include a copy of the approval to operate a recycling center issued by the NJDEP or, in the case of an exempted asphalt manufacturing plant, a copy of the Air Pollution Control Act Permit for the recycling equipment issued by the NJDEP. The Contractor should note that Class B recyclable materials which are being recycled are not subject to the Interdistrict and Intradistrict Solid Waste Flow Regulations.

Class B recyclable material means a source separated recyclable material which is subject to NJDEP approval prior to receipt, storage, processing or transfer at a recycling center in accordance with NJSA 13:1E-99.34b, and which includes, but is not limited to, the following:

1. Source separated, non-putrescible, waste concrete, asphalt, brick, block, asphalt-based roofing scrap and wood waste;
2. Source separated, non-putrescible, waste material other than metal, glass, paper, plastic containers, corrugated and other cardboard resulting from construction, remodeling, repair and demolition operations on houses, commercial buildings, pavements and other structures;
3. Source separated whole trees, tree trunks, tree parts, tree stumps, brush and leaves provided they are not composted;
4. Source separated scrap tires;
5. Source separated petroleum contaminated soil that is delivered to a non-mobile in-State asphalt plant, concrete production plant or brick making facility for incorporation as a raw material in its production process.

The Contractor shall obtain all necessary approvals from NJDEP and/or the approved recycling facility for off site disposal of the recyclable excavated material in accordance with all State and Federal Laws and Regulations.

The Contractor will provide waste manifests to Jersey City Division of Engineering upon completion of disposal activities.

The Contractor shall be responsible for transporting the recyclable excavated material to an approved recycling facility.

The Contractor shall certify to the disposal of the recyclable excavated material in a New Jersey Department of Environmental Protection approved depository and shall provide receipts for such disposal.

The Contractor shall remove and dispose off site any debris, excavated or demolished materials resulting from the Contractor's construction activities.

If the removal of all excavated materials from the job site is required to permit adequate traffic flow or if the Contractor is so directed by municipal authorities, the Contractor shall comply with such conditions at no cost to the City.

If the excavated material cannot be re-used as trench backfill for the Project, possible options for the management of excavated material are:

- Re-use as landfill cover at Hackensack Meadowlands Development Commission 1-E landfill
- Recycling as a raw material in the production process of a non-mobile in-State asphalt plant, concrete production plant or brick making facility;
- Disposal as ID-13 Bulky Waste at Hackensack Meadowlands Development Commission Baler facility; and,
- Disposal as hazardous waste at Model City, New York or Pinewood, South Carolina facilities.

Since the excavations are proposed to be located in existing roadways, and not immediately adjacent to Hudson County chromate sites, chromium contaminated soil is not expected.

The following general guidelines discuss the appropriate disposition of the trench spoils and stockpiling and testing procedures.

Areas where material is considered contaminated are areas adjacent to known Hudson County chromate sites, where chromium contaminated fill is known to exist and/or where petroleum contaminated soil is known to exist.

These areas are better defined as places where:

Historical information indicated that contamination is present (Hudson County chromate sites);

Visual observation show the presence of contamination (stained soil or disturbed areas); and

Field instruments (HNu, etc.) indicate the presence of contamination.

Material from these areas should be handled as contaminated until laboratory analytical results indicate the contrary. Questionable excavated and screened soil material shall be stockpiled separately from recyclable material and stored in a secure area provided that:

The surface soils in the storage area are known or expected to be contaminated above the proposed NJDEP cleanup levels;

The excavated soil or runoff water should not erode or flow off site or onto uncontaminated areas;

No potential exists to contaminate an uncontaminated aquifer or surface water body; and

No potential exists to create a health hazard to adjoining property owners through airborne exposure routes.

If any of the above conditions cannot be met, the material must be placed in containers (drums, roll-offs, etc.) and stored in a secure area prior to disposal.

Material which is considered to be a hazardous waste and has been confirmed by laboratory analytical testing for the hazardous waste criteria (NJAC 7:26-8.9 through 8.12) must be handled as a hazardous waste as defined in NJAC 7:26-8.1. Hazardous waste means any solid waste or combination of solid wastes, including toxic, corrosive, irritating, sensitizing, radioactive, biologically infectious, explosive or flammable solid waste, which poses a present or potential threat to human health, living organisms or the environment.

All hazardous waste excavated must be transported to an approved hazardous waste transportation, storage, and disposal facility. Hazardous waste must be properly staged and removed within 90 days. Hazardous waste piles are prohibited. Once a waste is determined to be a hazardous, it must be stored during the 90 day period in either sealed roll-off containers or drums.

All hazardous waste must be shipped in accordance with the United States Department of Transportation (DOT) guidelines as stated in 49 Code of Federal Regulations (CFR), Parts 171 through 179, the New Jersey Administrative Code, NJAC 7:26-3.0 et seq., and any other applicable State and City Regulations.

The transporter for hazardous waste material must be a NJDEP licensed hazardous waste hauler.

Excavated soils and materials shall be stockpiled and manually screened on the project site.

ALL SUITABLE EXCAVATED SCREENED SOIL CAN BE USED ON THE PROJECT SITE IF REQUIRED AS DIRECTED BY THE ENGINEER.

All pavement, including base and sub-base material, sewers, concrete, bricks, curbs, sidewalks, driveways and cobblestones are to be stripped from the trench and roadway, hauled from the job site and disposed of by the Contractor. Recycling of the excavated pavement is encouraged. Under no condition is excavated asphalt pavement to be used for backfilling. The Contractor may elect to screen the aforementioned materials or may choose to remove them directly from the Project Site and from the City.

No excavated material shall be stored at any site within the City except on the project site. The Contractor shall conduct his operations in such a manner as to not exceed the capacity of the site.(i.e. screen and remove non soil material on a regular basis). The Contractor agrees to make no claims against the City for delay to his operations caused by conducting this screening operation.

For additional requirements regarding the disposal, use, or reuse of excess or unsuitable material, see Subsection 202.03.07.

201.04 MEASUREMENT AND PAYMENT

The pay item Clearing Site is deleted.

The following is added:

Separate payment will not be made for Clearing Site. All costs thereof shall be included in the prices bid for the various pay items scheduled in the Proposal.

SECTION 202 - EXCAVATION

202.03 CONSTRUCTION

202.03.03 Excavating Unclassified Excavation

A. Excavating

The First paragraph is changed to:

The City as the generator is solely responsible for the designation of excavated material.

Unclassified excavation consists of the excavation and management of all materials of whatever character encountered including asphalt, concrete, cobblestones, brick, slate, granite and bluestone curbs, masonry stones, railroad or trolley car tracks except for solid rock and regulated material or acid producing soil.

202.03.06 Removing Pavement

The following is added at the end of this subsection:

Any damage to the curb, sidewalk, driveway or roadway pavement that is to remain because of an improper power saw or carelessness by the Contractor, shall be replaced by the Contractor at his own expense.

202.03.07 Reuse or Disposal of Excess Material

A. Reuse.

The heading and text of this subsection is deleted.

B. Disposal

The heading and text of this subsection is deleted.

The following is added:

All unsuitable excavated soils and materials shall be removed from the project site.

All pavement, including base and sub-base materials, asphalt, concrete, sewers, cobblestones, brick, slate, granite, curbs, sidewalks, driveways, masonry stones, boulders and timber shall be separated or manually screened out for disposal at an approved Recycling Facility.

The screened material can be reused as backfill for sidewalk base, for utility trenches and for the construction of embankments. Only soil which has been properly screened and is otherwise suitable shall be allowed to be used as backfill. All screened out material and any other material which the Engineer rejects as unsuitable for reuse for whatever reason shall be recycled or disposed of in accordance with Subsections 201.03.09, 202.03.08 and 202.03.09. The contractor agrees to make no claims against the City for delay to his operations caused by conducting this screening operation.

Prior to removing any material from the project site, the contractor shall provide in writing to the Engineer the location where the material will be placed. Written permission of the property owner(s) on whose property the material is to be placed shall be obtained by the Contractor and a copy shall be furnished to the Engineer.

Once the material leaves the project limits, the contractor is the owner of the material, and the contractor shall be solely responsible for causing the material to be placed in a manner and at a location that is consistent with all applicable federal, state and local requirements, including any permits that may be issued for the project. The contractor shall be liable for any violations that occur as a result of the contractor's failure to comply herewith. If the disposal of excess material results in a violation notice from any governmental authority, the contractor shall immediately pursue corrective action. The contractor shall hold harmless the City of Jersey City for any violations incurred as a result of improper disposal of materials.

If the contractor fails to correct the violation to the satisfaction of the governmental authority which issued the violation notice, the City of Jersey City may initiate measures to eliminate the violation and all costs incurred by the City of Jersey City will be deducted from any monies due or that may become due the contractor.

202.03.08 Disposal of Regulated Waste

This subsection is changed to:

Regulated waste shall be disposed of in accordance with Subsection 201.03.09 and the following:

Soils that contain contaminant at levels below current NJDEP cleanup guidelines are not of regulatory concern and do not need to be classified. These soils are suitable for use without treatment or prior regulatory approvals and can be used as backfill. These re-usable materials are defined as coming from places where visual or field screening observations do not indicate the presence of contamination or where analytical testing indicates concentration below regulatory levels.

Any excess soil is considered to be ID-27 Dry Industrial Waste (nonhazardous waste) when it is not classified a hazardous waste.

Material which is considered to be hazardous waste and has been confirmed by laboratory analytical testing for the hazardous waste criteria (NJAC 7:26-8.9 through 8.12) must be handled as a hazardous waste as defined in NJAC 7:26-8.1. Hazardous waste means any solid waste or combination of solid wastes, including toxic, corrosive, irritating, sensitizing, radioactive, biologically infectious, explosive or flammable solid waste, which poses a present or potential threat to human health, living organisms or the environment.

202.04 MEASUREMENT AND PAYMENT

The following is added:

Separate payment will not be made for excavation unclassified, manually screening excavated material and the disposal of screened out material or any other material which the Engineer rejects as unsuitable for reuse and backfill on the project but all costs thereof shall be included in the prices bid for the various pay items scheduled in the Proposal.

Payment for the testing and disposal of any hazardous regulated material that is encountered during the course of the project will be made via a Change Order.

SECTION 302 AGGREGATE BASE COURSE

302.02.01 MATERIALS

The following is added:

Dense Graded Aggregate Base Course for this project shall not be produced from Recycled Concrete Aggregate or Reclaimed Asphalt Pavement (RAP).

302.04 MEASUREMENT AND PAYMENT

The following Item is added:

Payment will be made under:

<u>Item</u>	<u>Pay Unit</u>
Dense Graded Aggregate Backfill	Ton

SECTION 401 – HOT MIX ASPHALT (HMA) COURSES

401.03 CONSTRUCTION

401.03.01 PREPARING EXISTING PAVEMENT

A. Milling of HMA

The last paragraph is changed to the following:

Milled areas shall not be left unpaved for longer than 72 hours, unless approved by the Engineer.

The following is added:

At all limits of milling, existing pavement surfaces to remain shall be milled perpendicular to the curbline in a neat straight line. If sawcutting is required to obtain a neat straight line, it shall be paid for under the Item Sawcutting.

Any existing curb or sidewalk damaged during milling operations shall be replaced in conformance with Jersey City Standards at the Contractor's expense.

All milled material shall become the property of the contractor and shall be disposed of at a certified Recycling Facility in accordance with Subsection 202.03.07. All milled material shall be removed daily. No stockpiling of milled material will be permitted.

The entire roadway shall be cleared of all equipment and opened up to traffic following completion of the day's work. The appropriate construction signs alerting motorists of a milled pavement and exposed castings shall be posted at locations as directed by the Engineer.

Prior to the opening of the roadway to traffic, all manhole castings and valve boxes exposed after milling shall be coated with tack coat and ramped with Hot Mix Asphalt, to the top of the casting and tapered back to meet existing grade. All transverse edges of milled areas at limits of milling shall also be coated with tack coat and ramped with Hot Mix Asphalt to provide a smooth transition from the milled surface to the remaining pavement. The cost of ramping will be paid for under the Item HMA Patch. All temporary HMA patch ramps shall be removed immediately prior to final paving.

D. Repairing HMA Pavement

The following is added to the end of the second paragraph:

Unstable or loose sub base material shall be removed to a maximum depth of 8 inches and replaced with dense graded aggregate base course and be compacted.

401.03.03 HMA COURSES

Transportation and Delivery of HMA

THIS FIRST PARAGRAPH IS CHANGED TO:

Deliver HMA using HMA trucks in sufficient quantities and at such intervals to allow continuous placement of the material. Do not allow trucks to leave the plant within 1 hour of sunset unless night time lighting is provided as specified in 108.06. The RE will reject HMA if the HMA trucks do not meet the requirements specified in 1009.02, The RE will suspend construction operations if the contractor fails to maintain a continuous paving operation. Before the truck leaves the plant, obtain a weigh ticket from a fully automatic scale. Before unloading, submit for each truckload a legible weigh ticket that includes the following:

1. Name and location of the HMA plant
2. Project Title
3. Load time and date
4. Truck number
5. Mix designation
6. Plant lot number
7. Tare, gross and net weight

H. Air Voids Requirements

This subsection is replaced by the following:

The in-place air voids of each mixture in a completed lot shall be a minimum of 2 percent and a maximum of 8 percent. Conformance will be determined on the basis of the average of five air voids measurements for each lot of approximately 10,000 square yards of pavement surface area. Air voids will be determined from 6-inch diameter drilled cores tested according to AASHTO T166 and T209. The pay quantity for each nonconforming lot will be reduced according to the following table.

HMA COURSES

TS-2 of 7

REDUCTION PER LOT DUE TO NONCONFORMANCE TO AIR VOIDS REQUIREMENT

LOT AVERAGE AIR VOIDS (FIVE SAMPLES)	REDUCTION PER LOT (PERCENT OF EACH LOT)
0.0 TO 1.4	20
1.5 TO 1.9	10
2.0 TO 8.0	0
8.1 TO 9.0	5
9.1 TO 10.0	10
OVER 10.0	20

I. Thickness Requirements

This subsection is replaced by the following:

For Resurfacing Projects:

This subsection is deleted. Surface Course Thickness requirements will be according to the following table:

Surface Course Thickness Requirements

<u>HMA Mix Design Size Designation Thickness</u>	<u>Minimum Allowable Compacted Lift</u>
9.5 MM	1.00 Inch
12.5 MM	1.25 Inches
19 MM	2.00 Inches

For New Construction, Complete Reconstruction or Widening Greater Than Eight Feet

This subsection is changed to:

Upon completion of the bituminous concrete paving, the engineer will obtain cores from the finished pavement at random locations.

The thickness requirements contained herein shall apply only when each component hot mix asphalt mixture in pavement structure is specified to be a uniform thickness, when such uniform thickness hot mix asphalt mixtures are specified, the combined total thickness of the mixture or mixtures shall be measured to determine compliance with the governing acceptance limit shown in Table 401.03.03-8. In addition, the surface course shall be

measured to determine compliance with a minimum thickness requirement using an acceptance limit of 1.25 inches. Results of this check on surface course minimum thickness will be used solely to determine whether a remove and replace or an overlay condition exists, not for payment reduction.

TABLE 401.03.03-8 THICKNESS ACCEPTANCE LIMITS

Specified or Total Plan Thickness (Inches)	Acceptance Limit (Inches)
1.5	1.25
2.0	1.70
2.25	1.90
3.0	2.60
4.0	3.50
4.5	3.95
5.0	4.40
5.5	4.85
6.0	5.30
over 6.0	Specified Thickness Less Than 0.7

Conformance to thickness requirements will be determined in lots consisting of approximately 10,000 square yards or less. Areas consisting of different combinations of Hot Mix Asphalt mixtures or thickness will not be included in the same lot.

A thickness lot shall have not more than 25 percent of the lot area, as determined from Table 401.03.03-9, less than the governing acceptance limit for total thickness shown in Table 401.03.03-8.

The acceptance of a thickness lot will be determined from thickness measurements of five drilled cores obtained by the Engineer for each lot. Each core will be removed from a random location within each lot and shall be a minimum of 6 inches in diameter. The total core thickness and the thickness of each component hot mix asphalt mixture contained therein will be determined in accordance with NJDOT B-4 - Measuring thickness of HMA Cores.

When variations in total thickness cause more than 25 percent of the areas of a lot to be less than the governing acceptance limit shown in Table 401.03.03-8, the lot is unacceptable and shall be removed and replaced or overlaid. However, should the percent of lot deviating from the thickness acceptance limit not exceed 45 percent, upon written request, the lot may be left in place without being overlaid provided that the lot payment will be reduced in accordance with Table 401.03.03-9.

The percent of lot area less than the applicable acceptance limit shall be determined from the calculated value for the term QL.

The Term QL is here defined as:

$$QL = \frac{\text{AVERAGE LOT THICKNESS} - \text{THICKNESS ACCEPTANCE LIMIT}}{\text{RANGE}}$$

Where average lot thickness is the average of the total thickness measurements obtained from the five lot cores and range is the absolute difference between the smallest and largest total thickness measurements obtained from the five lot cores.

Table 401.03.03-9 Reduction Per Lot Due to Nonconformance to Thickness Requirements

<u>QL</u>	<u>PERCENT OF LOT AREA OUTSIDE THICKNESS ACCEPTANCE LIMIT</u>	<u>REDUCTION PER LOT PERCENT(SEE NOTE 1)</u>
EQUAL TO OR GREATER THAN	LESS THAN	
0.30	----	0-25
0.23	0.30	26-30
0.17	0.23	31-35
0.11	0.17	36-40
0.06	0.11	41-45
---	0.06	GREATER THAN 45
		(SEE NOTE 2)

Note 1 - Percent reductions are not applicable when the term QL is calculated to determine if the surface course complies with the minimum thickness.

Note 2 - Remove and replace or overlay.

The term QL shall also be calculated for the HMA Surface Course of each lot independently using the core thickness values for that course and a minimum thickness acceptance limit of 1.25 inches. When the QL value, so calculated, is less than 0.23 indicating that more than 30 percent of the surface course is outside the minimum thickness acceptance limit of 1.25 inches, the surface course in that lot shall be removed and replaced or overlaid, and any reduction for that lot based on total thickness requirements shall not be applied.

When an unacceptable lot is overlaid, the overlay shall be of the surface course mixture specified for that lot and shall be a minimum of 1.00 inch thick if that mixture is Hot Mix Asphalt 9.5 MM Surface Course, 1.25 inches thick if that mixture is Hot Mix Asphalt 12.5 MM Surface Course and 2 inches thick if that mixture is Hot Mix Asphalt 19 MM Surface Course.

The overlaid or replaced lot is only that material placed up to the specified total thickness of the combined mixtures. For an overlaid or replaced lot, the quantity of material shall be determined using the computed average weight of the mixture, the area of the lot and the difference between the specified total thickness and the average thickness of the five lot cores.

J. RIDE QUALITY REQUIREMENTS

This subsection is replaced by the following:

The paving operation is acceptable if the surface course is in substantial conformity with 1/8 inch in 10 feet surface tolerance. Should the surface be found not in conformity, the resident engineer may direct that paving operations be discontinued until mutually acceptable paving methods or equipment is utilized. Additional compensation, extension of contract time, or other concession will not be permitted because of revised methods or equipment necessary to produce a HMA surface in substantial conformity with a 1/8 inch in 10 feet surface tolerance.

401.04 MEASUREMENT AND PAYMENT

The items Hot Mix Asphalt Pavement Repair, Polymerized Joint Adhesive, Tack Coat, Tack Coat 64-22, Prime Coat and Core Samples, Hot Mix Asphalt are deleted.

The following Pay Items are deleted:

<u>Item</u>	<u>Pay Unit</u>
Hot Mix Asphalt 19M 64 Base Course	Ton
Hot Mix Asphalt 9.5M 64 Surface Course	Ton

Delete the Second paragraph.

Delete the Third paragraph and replace with the following:

Separate payment will be not be made for Tack Coat, Tack Coat 64-22, and prime coat. All costs thereof shall be included in the prices bid for Hot Mix Asphalt Base Course and Hot Mix Asphalt Surface Course.

Delete the Fifth paragraph and replace with the following:

Separate payment will not be made for polymerized joint adhesive. All costs thereof shall be included in the prices bid for Hot Mix Asphalt 19M 64 Base Course and Hot Mix Asphalt 9.5 or 12.5M 64 or 76 Surface Course.

The Last paragraph is deleted.

SECTION 602 - DRAINAGE STRUCTURES

602.02 MATERIALS

602.02.01 Materials

The following is added at the end of this subsection:

Catchbasin frame and grate shall be gray cast iron casting.

Catchbasin curb piece shall be cast iron Jersey City Standard Type 'N-Eco'.

The following paragraphs are deleted:

Catchbasin trap and wall plate shall be gray cast iron casting pattern number 2565 and 2565-210 respectably for pipe sizes 15" to 18" as manufactured by Campbell Foundry Company of Harrison, New Jersey or equivalent.(For pipe sizes 12" or less: pattern no. 2563 and 2595-210 respectably).

Standard City of Jersey City manhole frame and cover shall be pattern number 1012C with no. 4428 vented access cover for new manholes with a 30 inch standard opening and pattern number 1007D for replacement on existing manholes with 24" openings as manufactured by Campbell Foundry Company, Harrison, N.J. or equivalent.

For Pattern No. 4428, both covers shall have two penetrating pickholes 180 degrees apart. The outside cover shall be vented with six 3/4 " diameter straight vent holes. For Pattern No. 1007D, the cover shall also have two penetrating pickholes 180 degrees apart and be vented with six 3/4" diameter straight vent holes. Bearing surface at seat of covers and frames shall be machined for uniform fit. The surface of the cover shall be a diamond design and be skid resistant.

Covers for Pattern No. 4428 and 1007D shall have the words "J.C.M.U.A
Sewer:"

Extended ladder rungs shall be Copolymer Polypropylene Plastic as shown on the construction details and as manufactured by M.A. Industries, Inc. Peachtree City, GA. or equivalent.

PVC Sewer Pipe

Sewer pipe for connection between new catchbasin and existing lateral to remain shall be spigot SDR-35 Ring-Tite PVC gravity sewer pipe in conformance with ASTM Specification D-3034. The bell shall have a factory assembled "locked in" rubber seal in conformance with ASTM Specification D-3212 "Joints for Drain and Sewer Pipes using Flexible Elastomeric Seals". The pipe shall be colored green for in-ground identification as sewer pipe.

The pipe shall be furnished in standard laying lengths of 13 feet. The pipe supplier shall furnish a certificate that all pipe and gaskets furnished complies with all the requirements set forth herein. The pipe shall be subject to rejection by the Engineer due to failure to meet any of the specification requirements or if there are any cracks or other defects in the pipe. Every length shall be clearly marked with the manufacturer's name, nominal size in inches and the legend "SDR-35 PVC Sewer Pipe."

602.03 CONSTRUCTION

602.03.02 INLETS AND MANHOLES

The Following Sections Are Deleted:

1. PRECAST

This subsection is changed to:

General

Precast concrete catchbasins and manholes may be used when approved by the Engineer, and where there are no conflicts with existing underground structures and utilities which require changes in pipe location, size or type. Modifications to precast concrete catchbasins and manholes which may be required due to changes in pipe location, size or type are subject to approval and shall be made without additional compensation.

Welded steel wire fabric used for reinforcement need not be galvanized and shall have a minimum 2 inch cover. Handling devices, if used, shall be removable and the holes filled with concrete. Unless stated otherwise, all provisions of Sections 504, 505 and 905 shall apply.

A. Precast Concrete Catchbasin

Precast catchbasins shall be manufactured by Precast Products Corporation or equivalent and in accordance with ASTM Designation C-850. The catchbasin dimensions, compressive strength of the concrete, and reinforcement details shall be as prescribed under ASTM C-857 & C-858 and the standard details shown on the contract drawings. The catchbasin shall be able to support the combined earth load and carry a HS-20 live load. The minimum specified compressive strength of concrete shall be 4000 psi.

The steel reinforcement shall consist of deformed bar conforming to ASTM specifications A-615-75, Grade 60. The minimum specified yield stress of the deformed bar shall be 60,000 psi. The cover over the circumferential reinforcement shall be 1½ inch. The center distance of the end circumferential bars shall not be less than ½ inch no more than 2 inches from top of the catchbasin. Reinforcement shall be assembled as indicated on plans or by the Engineer in his design calculations.

The aggregates, cement, and water shall be proportioned and mixed in a batch mixer to produce a homogeneous concrete meeting the strength requirements of this specification. The catchbasin shall be cured for a sufficient length of time so that the concrete will develop the specified compressive strength in 28 days or less.

The forms used in manufacture shall be sufficiently rigid and accurate to maintain the section dimensions. All casting surfaces shall be of smooth non-porous material. Lifting holes shall be permitted in each catchbasin for the purpose of handling and laying.

Joints of catchbasin sections shall be formed entirely of concrete employing a continuous butyl sealant such as Easy Stick, Ram-neck or approved equal that when assembled, shall make a uniform watertight joint.

The joints on the inside and outside walls of catchbasin sections shall also be plastered with a one half of an inch (½") thick coat of 1:2 cement sand mortar, troweled to a smooth finish.

The catchbasin shall be substantially free of fractures, voids and honeycombs. The internal dimensions shall not vary more than one percent from the design dimensions. The slab and wall thicknesses shall not be less than shown in the design by more than five percent or 3/16 inch whichever is greater. A thickness more than that is required in the design shall not be a cause for rejection.

The quality of materials, the process of manufacturer, and the finished catchbasin shall be subject to inspection by the Engineer. Catchbasin shall be subject to rejection due to failure to conform to any of the required specifications. Individual catchbasins may be rejected resulting from fractures or cracks passing through the wall; defects that indicate imperfect proportioning and mixing; honeycombed or open texture.

SPECIAL NOTE

Due to the uncertainty of the depth of other utilities crossing the proposed catch basin lateral, precast catch basins shall not have invert holes made. Instead, these holes shall be punched in the field once the depth of the lateral is determined. Cost of field punching holes shall be included under the item Catch Basin.

B. Precast Concrete Manhole

Precast manhole sections shall be manufactured by Precast Products Corporation East Brunswick, N.J. or approved equal and in accordance with ASTM Designation C 478. The minimum compressive strength of the concrete for all sections shall be 4,000 psi. The maximum allowable absorption of the concrete shall not exceed 8% of the dry weight. The circumferential steel reinforcement for riser pipe, cone sections and base walls shall be a minimum of the called for under ASTM C 478. Reinforcing steel shall be a minimum of 0.12 square inches per lineal foot in both directions for type 'A' manhole, 0.15 sq. in/l.f. for type 'B' manhole and 0.18 sq. in/l.f. for type 'C' manhole. Reinforcing steel shall have a minimum 2-inch cover. Flat slab top sections shall be designed to carry an HS20-44 wheel load.

Taper sections and cone sections shall be used wherever possible to reduce the manhole diameter to that required for the manhole castings. Where required to meet field conditions, the contractor shall furnish manholes with flat slab top sections.

Joints of the manhole sections shall be formed entirely of concrete employing a round rubber gasket and when assembled, shall be self-centering and make a uniform watertight joint. Except for those surfaces within the gasket groove, all inside surfaces of the bell or outside surfaces of the spigot, or both, on which the rubber gasket may bear during the closure of the joint and at any degree of partial closure shall be parallel within one (1) degree and have an angle of not more than two (2) degrees with the longitudinal axis of the pipe. In joints formed entirely of concrete, the distance from either side of the gasket to the end of the bell or spigot shall not be less than three quarters (3/4) of an inch. The gasket spaces between the bell and spigot shall be so shaped as to provide grooves that will prevent the gasket from disengaging from its compression surface or being blown out by hydrostatic pressures.

The joints on the inside and outside walls of the manhole sections shall also be plastered with a one half of an inch (1/2") thick coat of 1:2 cement-sand mortar, troweled to a smooth finish.

Manhole steps shall be built into the walls of precast sections to set in straight alignment so as to form a continuous ladder with maximum twelve (12) inch spacing of rungs. Steps shall be twelve (12) inches wide, aluminum drop type steps, shall project six (6) inches from the manhole wall and shall extend into the manhole wall. Steps shall be aluminum alloy conforming to Federal Specifications QQ-A-200/8 and must carry a load in the center of the cross bar one thousand pounds (1000 lb.) when projected six (6) inches from the wall.

2. BLOCK AND BRICK CONSTRUCTION

This subsection is changed to:

A. Catchbasins

Catchbasins may be constructed of concrete block if approved by the Engineer. Catchbasins shall be constructed of 6" concrete blocks on a precast class B concrete footing measuring 5'-6" wide x 6'-0" long x 8" thick over an eight inch (8") compacted 3/4" crushed stone base.

Concrete block and brick shall be laid with staggered joints. All horizontal joints, all vertical joints of brick and all keyways of vertical joints of concrete block shall be filled with a 1:2 cement-sand mortar. All horizontal joints, and in brick, all vertical joints shall be not more than $\frac{3}{8}$ inch wide. The outside and inside walls shall be plastered with a minimum of $\frac{1}{2}$ inch thickness of mortar troweled to a smooth finish.

Inlet and outlet pipes shall extend through the walls of the subsurface structure for a sufficient distance beyond the outside surface to allow for connections, but shall be cut off flush with the wall on the inside surface.

The concrete or brick and mortar shall be so constructed around the pipes as to prevent leakage and form a neat connection.

When the working day temperature is below 40 Degrees F, mortar shall be prepared by heating the mixing water and sand to produce mortar between 50 and 100 degrees F. Masonry shall be maintained above 32 Degrees F for 24 hours by the use of a protective covering.

B. Manholes

Concrete block manholes shall be constructed of six inch (6") concrete blocks on a twelve inch (12") thick precast or cast in place class B concrete foundation over a twelve inch (12") thick compacted $\frac{3}{4}$ " crushed stone base.

Concrete block and brick shall be laid with staggered joints. All horizontal joints, all vertical joints of brick and all keyways of vertical joints of concrete block shall be filled with a 1:2 cement-sand mortar. Straight joints shall be not more than three eighths of an inch ($\frac{3}{8}$ ") wide and radial joints not more than one half of an inch ($\frac{1}{2}$ ") in average width. The masonry shall be carried to such a height that a mortar joint, no more than one-half of an inch ($\frac{1}{2}$ ") thick, is needed for setting the head casting with use of one or two rows of bricks.

The inside and outside walls of concrete block manholes shall be plastered with one half of an inch ($\frac{1}{2}$ ") thick coat of 1:2 cement-sand mortar, troweled to a smooth finish.

When the working day temperature is below 40 degrees F, mortar shall be prepared by heating the mixing water and sand to produce mortar between 50 and 100 degrees F. Masonry shall be maintained above 32 degrees F for 24 hours by the use of a protective covering.

The following subsection is added:

3. Inverts

The proposed pipe shall be laid through the manhole and the top portion of the pipe broken out or cut and a class B concrete bench poured as shown on the plans to prevent leakage and form a neat connection. Other pipe connections shall extend through the wall of manholes and catchbasins and shall be cut off flush with the wall on the inside surface. Inverts shall be constructed to cause the least possible resistance to flow. The shape of the inverts shall conform uniformly to inlet and outlet pipes. A smooth and uniform finish is required.

602.03.03 Setting Castings, Resetting Castings, and Reconstructing Inlets and Manholes

This subsection is changed to:

1. General

When modifying less than 1 foot of a catchbasin or manhole, reset the existing casting or install a new casting.

When modifying 1 foot or more of a catchbasin or manhole, reconstruct the catchbasin or manhole.

When repairing only a portion of a catchbasin or manhole, reconstruct only the damaged portion of the catchbasin or manhole.

Remove castings, damaged wall portions, ladder rungs, and catchbasin traps as directed by the Engineer. Any catchbasin and manhole castings in good condition shall be salvaged and transported to the Jersey City Municipal Utilities Authority located at 555 Route 440 just south of Culver Avenue. All other castings and debris shall be disposed of by the Contractor as specified in 202.03.07 to the satisfaction of the Engineer.

2. Repairing Catchbasins and Manholes

This work shall consist of removing the existing castings, removal of damaged portions of walls, removal of catchbasin traps and ladder rungs as necessary, disposal of masonry and debris, reconstruction of the damaged wall sections, plastering the inside and outside walls with cement-sand mortar, reinstalling catchbasin traps and ladder rungs, if required and setting existing castings if in good condition or new castings, if required, at the specified grade.

3. Reconstructing Catchbasins and Manholes

This work shall consist of removing the existing castings, removal of walls, catchbasin traps and ladder rungs greater than 12 inches below the casting to the invert (existing concrete footing to remain), disposal of masonry and debris, reconstruction of the wall with new concrete block and brick, plastering the inside and outside walls with cement-sand mortar, reinstalling catchbasin traps, installing new ladder rungs, if required, and setting existing castings if in good condition or new castings, if required, at the specified grade.

4. Resetting Castings

This work shall consist of the resetting of existing sewer or water valve manhole castings and catchbasin castings to the proposed finished grade as shown on the plans. Additional castings may have to be reset as determined by the Engineer and the contractor prior to start of milling/paving work. The contractor shall determine by how much each casting must be reset. Cast iron extension manholes rings and catchbasin extension frames shall not be used.

PSE&G, Verizon, Teleport and other fiber optic utilities will reset their own manhole castings. The contractor must notify each affected utility company at least 4 to 6 weeks prior to the start of milling work to discuss the scope of the project. The contractor must provide a milling schedule with project specific dates in hard copy.

The contractor, the utility company and the Engineer shall conduct a walk through survey to determine which castings must be reset and by how much.

Prior to removal, the contractor shall inspect the existing castings. If it is found that one or more of the castings is broken, the contractor shall notify the Engineer. If the Engineer deems necessary, these shall be replaced with new castings as specified in the

Item "Manhole Castings".

No payment will be made for resetting manholes which are broken or defective.

The contractor shall be responsible for the safekeeping of the reclaimed castings and shall replace, without additional compensation, any which may be lost or stolen, or which may become broken or damaged so as to be unusable, during their removal, cleaning or temporary storage at the project. The existing frames and covers shall be removed carefully from the existing structures and all concrete, mortar and other adhering material shall be removed there from prior to resetting.

Pavement shall be cut outside the manhole frame in a 36" minimum circular diameter with a straight and vertical face.

The masonry of the existing structure shall be removed twelve (12) inches below the existing castings and replaced with new brick and block, where and as directed by the Engineer to conform to the required surface grades and elevations.

The last full course of concrete block or brick shall be carried to such a height that a mortar joint not more than 1/2 inch in thickness is needed for setting frame. Mortar shall be 1:2 cement-sand mortar.

After the frame is in place and the mortar has sufficiently set, dense graded aggregate backfill shall be placed and compacted in six (6) inch lifts in a manner suitable to the Engineer, to a height six (6) inches below the surface of the existing pavement.

Immediately following, the Contractor shall place a Class B concrete base course to a minimum depth of six (6) inches around the entire periphery of the manhole to a height of 1" below the top and tapered back to meet the existing pavement.

Mortar and concrete base shall attain a strength of 2500 psi before the casting is exposed to traffic. Adjustment of grades and elevations in excess of 1 foot will be considered as reconstructing catch basins and manholes.

The disposal of excess or unusable material shall be in accordance with Subsection 202.03.07.

NOTE: In lieu of dense graded aggregate backfill, the Contractor may backfill the entire periphery of the manhole with Class B concrete to a height of 1" below the top and tapered back to meet the existing pavement.

5. New Castings

Existing casting shall be carefully removed from the existing catchbasin or manhole structure. The masonry of the existing structure shall be added to or removed and replaced with new block and brick to a maximum pay limit depth of twelve (12) inches below the casting as may be necessary due to the structural condition of the existing structure and or to conform to new surface grades and elevations. New Casting shall be furnished and set on the reconstructed structure. The outside and inside walls shall be plastered with a minimum of ½ inch thickness of 1:2 cement-sand mortar troweled to a smooth finish. If the structural condition of the existing structure requires removal of masonry greater than twelve (12) inches below the casting, the structure shall be reconstructed or completely replaced as directed by the Engineer.

602.03.05 Extension Frames and Rings

This subsection is deleted.

602.03.08 Cleaning Drainage Structures

The following is added:

The Jersey City Municipal Utilities Authority will clean catchbasins and manholes which require repairing or reconstructing prior to start of work by the contractor.

602.04 MEASUREMENT AND PAYMENT

The following items are added:

<u>Item</u>	<u>Pay Unit</u>
Cast Iron Curb Piece, Type P, 4" High	Unit
Cast Iron Curb Piece, Type N, 6" High	Unit
Bicycle Safe Grate, 21 3/4"x 47 3/4"	Unit

DRAINAGE STRUCTURES
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The following is deleted:

Payment for dense graded aggregate backfill or 3/4" washed gravel pipe bedding will be made under the item Dense Graded Aggregate Base Course, variable thickness.

Separate payment will not be made for pavement removal, removal of any existing catch basins or manholes, excavation, plugging existing lateral with Class B concrete, sheeting, dewatering, maintenance of flow, connection to existing laterals with PVC or Vitrified Clay pipe, using appropriate coupling field punching of invert holes in precast catchbasin, castings, backfilling and the disposal of excess or unusable soil and material but all costs thereof shall be included in the unit price bid for catchbasin and manhole.

Separate payment will not be made for the removal of existing manhole and catchbasin structure and replacement with new block and brick to a maximum pay limit depth of twelve (12) inches below the casting but all costs thereof shall be included in the unit price bid for the item catchbasin casting, manhole casting or reset existing casting.

If a structure requires removal of masonry greater than twelve (12) inches below the casting, payment will be made under the item Reconstructed Catchbasin or Manhole.

If a structure requires only partial removal of masonry, payment will be made under the Item Repaired Catchbasin Wall.

If a structure requires complete removal of masonry and footing, payment will be made under the Item Catchbasin, Type A, B or E.

Separate payment will not be made for castings for new catch basin but all cost there of shall be included under item Catchbasin Type A, B or E.

SECTION 606 - SIDEWALKS, DRIVEWAYS AND ISLANDS

606.01 DESCRIPTION

The subsection is changed to:

This Section describes the requirements for constructing HMA sidewalks, driveways, and islands, and concrete sidewalks, driveway and islands. The section also describes the requirements for staining/sealing of existing concrete sidewalk.

606.02 MATERIALS

606.02.01 Materials

For Gray Concrete Sidewalk and Driveway, Gray Portland Cement concrete shall contain chromix Admixture Charcoal Gray.

For existing concrete sidewalk that is to be stained/sealed, as shown on the plans or directed by the Engineer, the contractor shall be a concrete stain/sealant that produces a charcoal gray concrete color. Contractor shall submit shop drawings, color samples, and specifications for concrete stain/sealant to the Engineer for approval.

Performed expansion joint filler shall be the bituminous type in conformance with A.A.S.H.T.O. Spec M-33. **Preformed bituminous cellular joint filler shall not be used.**

Asphalt for transitions to adjacent sites shall be Hot Mix Asphalt 9.5 M 64 Surface Course as specified in Section 401.

606.03 CONSTRUCTION

606.03.02 CONCRETE SIDEWALKS, DRIVEWAYS, AND ISLANDS

A. Underlayer Preparation

The following is added:

Within areas of sidewalk and driveway to be replaced, the contractor shall saw cut the edges of the existing concrete where directed on the plans or by the Engineer to form a neat vertical surface prior to preparing the sub grade.

Excavation of the existing sidewalk shall not proceed too far ahead of new sidewalk construction in order that disruption to pedestrian traffic and local businesses will be kept to a minimum. Sidewalk replacement work shall occur only on one side of the street at a time.

Any stumps and tree roots which are encountered in the course of excavation for

sidewalk shall be exposed by the contractor and cut at least 12" below the final grade of the sidewalk. When forming the sidewalk adjacent to trees, (i.e. existing trees which shall remain or proposed tree pits), a rigid form shall be used.

All excavated broken concrete/slate/bituminous concrete sidewalk, brick, cobblestones, and boulders shall be disposed of at a certified recycling facility in accordance with Subsection 202.03.07.

E. Expansion Joints

The entire subsection is changed to:

Expansion joints shall be ½ inch wide, placed at maximum 10 foot longitudinal and transverse intervals and shall be filled with preformed expansion joint filler, bituminous type to ¼ inch below the top surface of the sidewalk. Expansion joints shall be formed around the perimeter of all appurtenances such as manholes, utility poles, fire hydrants, traffic signal pole foundations, junction boxes, and cellar doors extending into or through the concrete. Utility poles and fire hydrants shall also have an additional expansion joint placed in a 5' by 5' box around the center of the utility pole and fire hydrant to facilitate future replacement work. Expansion joint filler shall be installed between new concrete and any existing concrete or fixed structure such as a building or bridge. The expansion joint material shall extend for the full depth of the sidewalk or driveway.

The top and ends of expansion joint material shall be cleaned of concrete, and the expansion joint material shall be trimmed so as to be a minimum ¼ inch below the top surface of the concrete as shown on the plans. The top and ends at the expansion joint material shall then be sealed with hot poured asphalt joint filler.

Rubber type expansion joint can be used as an alternate. Contractor shall submit sample and specifications to the city engineer for approval.

G. Finishing Concrete

For Streetscape projects, replace entire subsection with the following:

Strike off the concrete using a transverse template resting upon the side forms to the required cross-section. Finish the concrete using floats and straight edges to obtain a smooth surface. When the surface of the concrete is free from water and just before the concrete attains its initial set, texture with a magnesium float. Round edges using an edging tool with a ¼ radius and texture edge with a magnesium float.

Divide the surface into blocks as shown on a typical streetscape plan using a grooving tool. Ensure that the grooves are cut to a depth of 3/8 and are ¼ wide. Finish the edges of the grooves using a magnesium float.

H. Protection and Curing

For charcoal gray sidewalk and driveway, the first sentence is changed to the following:

Cure the charcoal gray concrete using curing compound as specified in 504.03.02F and as recommended by the manufacturer of the charcoal gray concrete so that the concrete will not be stained by the curing compound.

THE LAST SENTENCE IS CHANGED TO:

Ensure vehicles and other loads are not placed on sidewalks, islands and driveway until the concrete has attained compressive strength of 3000 pounds per square inch, as determined from 2 concrete cylinders field cured according to AASHTO T 23.

The following subparts are added:

J. Reinforcement

Concrete driveways shall be reinforced with 6 x 6 x 10/10 galvanized or epoxy coated wire mesh and shall be constructed in conformance with AASHTO M-55.

K. Transition Pavement

Transition pavement is defined as pavement constructed to make a smooth transition from a new concrete driveway and/or sidewalk to the existing asphalted driveway and/or paved area. Transition pavement shall be constructed in accordance with Section 401, as shown on the plans and as directed by the Engineer, and shall be a maximum five foot width measured from the back of the concrete driveway or sidewalk.

L. Resetting Castings

Water and gas valve boxes for residential homes shall be reset to the final grade of the proposed sidewalk. Valve boxes shall be set plumb and be clean from dirt and debris which would prohibit the operation of the valve. Water and gas valve boxes which are broken or in deteriorated condition shall be replaced at no additional compensation with the exception that PSE&G Gas will supply the new gas valve boxes.

Oil filler caps shall be reset to the final grade of the proposed sidewalk by the appropriate oil company. The contractor shall contact the oil company and provide the necessary grade measurements needed prior to placing concrete. If there is a delay in resetting by the oil company, a 5' by 5' section of sidewalk around the oil filler cap shall not be poured.

M. Cellar Doors

Cellar doors or doors of whatever nature shall be reset with concrete block/brick and mortar as required to meet the new sidewalk grade. Any damage to cellar doors caused by construction operations shall be repaired without additional compensation.

N. Mailboxes

The contractor shall contact Manager, Maintenance of the United States Postal Services (USPS) at 201 915-7045 a minimum of one day prior to start of curb/sidewalk work. The USPS will remove postal mailboxes and upon completion of sidewalk work, USPS will bring back the mailboxes and reanchor them into the new sidewalk.

O. Traffic Signs

Existing traffic signs with posts to remain shall be protected during curb/sidewalk work. Posts may remain in their original position or may be removed during removal work and reinstalled in a concrete footing during pouring of new sidewalk. Concrete around posts shall be carefully removed using a jackhammer. Removal by backhoe is not permitted. Traffic signs and posts which are lost or damaged during the work shall be replaced by the contractor at his expense.

Parking restriction signs shall be mounted 45° to traffic and regulatory signs shall be mounted 90° to traffic. Twisting of posts after completion of sidewalk work shall not be permitted.

U-posts for proposed signs shall be installed prior to installation of new sidewalk or a PVC sleeve installed as shown on the plans.

P. Landscaping

Any landscaped areas to remain which were disturbed during curb/sidewalk work shall be filled with topsoil, seeded and mulched. Existing tree pits shall also be filled with topsoil and mulch as required to meet the proposed sidewalk grade.

Q. Acceptance

Any concrete sidewalk or driveway which is not constructed to the proper line and grade, or which may become damaged prior to acceptance during the course of construction, or after examination discloses less than the required thickness, or has water surface drainage problems or is found to contain cracks or other defects by the contractor's negligence, poor workmanship or failure to meet the requirements of the plans and specifications shall be removed and replaced in a satisfactory manner by the contractor at his own expense.

606.03.03 Detectable Warning Surfaces

The entire subsection is changed to the following:

A. General

Tactile Warning Surfaces shall comply with the Detectable Warnings on Walking Surfaces Section of the American with Disabilities Act (Title 49 CFR Transportation, Part 37.9 Standards For Accessible Transportation Facilities, Appendix A, Section 4.29.2 Detectable Warnings on Walking Surfaces.

Detectable Warning Surface shall be Vitrified Polymer Composite (VPC) or Matte Finish Polyester based Fiberglass Reinforced Compression Molded SMC (sheet Molding Compound) Composite material for optimal slip resistance and maximum impact resistance cast in place or surface applied Tactile Tiles having an epoxy polymer composition with an ultra violet stabilized coating employing aluminum oxide particles in the truncated domes. The tile shall incorporate an in-line dome pattern of truncated domes 0.2" in height, 0.9" diameter at the base, and 0.4" diameter at the top of dome spaced 2.35" nominal as measured on a diagonal and 1.70" nominal as measured side by side. For wheelchair safety, the field area shall consist of a non-slip surface with a minimum of 40 – 90 degree raised points 0.045" high, per square inch.

Tactile Tile size shall be a minimum of 24"x 48" and shall be a brick red color (Federal #22144). The Contractor shall submit a tile sample minimum 6" x 8" of the kind proposed for use on the project. The contractor shall also submit manufacturer's literature describing the product, installation procedures and routine maintenance.

Detectable Warning Surfaces shall be installed according to the corresponding construction details shown on the plans, the manufacturer's recommendation, as specified herein and as directed by the Engineer.

B. Cast in Place Tile System

The physical characteristics of the concrete shall be consistent with the contract specifications while maintaining a slump range of 4 to 7 inches to permit solid placement of the Cast in Place Tile System. An overly wet mix will cause the cast in place system to float, therefore under these conditions, suitable weights such as two (2) concrete blocks on sandbags (25lb) shall be placed on each tile.

The concrete shall be poured and finished, true and smooth to the required dimensions and slope prior to tile placement.

Immediately after finishing the concrete, an electronic level shall be used to check that the required slope is achieved. **The tile shall be placed true and square to the inside curb edge. According to JC construction standard 8.11. Tiles with a preformed radius shall be used around curbs on a radius.** The cast in place tiles shall be tamped or vibrated into the fresh concrete to ensure that the field level of the tile is flush to the adjacent concrete

surface. The tile field level (base of truncated dome) shall be flush to adjacent surfaces to permit water drainage and eliminate tripping hazards between adjacent finishes. The tolerance for elevation differences between tile and adjacent surface is 1/16".

Immediately after tile placement, the tile elevation is to be checked to the adjacent concrete. While the concrete is workable, a steel trowel shall be used to trowel around the tile perimeter to the field level of the tile. During and after the tile installation and concrete curing stage, it is imperative that there is no walking, leaning or external forces placed on the tile to rock the tile, causing a void between the underside of the tile and the concrete. Following tile placement, tile shall be adjusted before the concrete sets with two (2) suitable weights of 25 lbs each placed on each tile as necessary to ensure solid contact of the tile to the underside of the concrete. Following the curing of the concrete, the protective plastic wrap is to be removed from the tile face by cutting the plastic with a sharp knife to the concrete/tile interface. If concrete bleeding occurs, a wire brush shall be used to clean the residue without damage to the tile surface.

C. Surface Applied Tile System

The surface of the concrete to receive the detectable warning surface tile shall be mechanically cleaned with a diamond cup grinder or shot blaster to remove any dirt or foreign material. Immediately prior to installing the detectable warning surface tile, the concrete surface must be clean, dry, free of voids, curing compounds, projections, loose material, dust, oil, grease, sealers and determined to be structurally sound with a minimum 30 day concrete. An acetone solvent shall be used to clean the concrete surface immediately prior to applying the adhesive.

Adhesive shall be applied on the backside of the tile following the perimeter and internal cross pattern established by the tile manufacturer. Sufficient adhesive must be placed on the prescribed areas to have full coverage across the 2" width of the adhesive locator.

Tile shall be set true and square to the inside curb edge. According to JC construction standard 8.11. Tiles with a preformed radius be used around curbs on a radius. Tiles shall be mechanically fastened to the concrete substrate with expansion drive anchors as recommended by the manufacturer.

Following the installation of the tiles, an epoxy sealant system shall be applied to the perimeter edge. The perimeter edges of the tile and adjoining substrate shall be taped 1/2" apart to allow for tooling the sealant. The contractor shall follow the manufacturer's recommendations when applying the sealant in a cove type profile to blend and seal the tile edge to the adjoining surfaces.

Foot traffic shall not be allowed on installed tiles until the perimeter edge sealant has cured sufficiently to avoid tracking.

All areas determined to have been damaged or not to be in conformance with the Specifications or the Plans shall be removed and replaced at no additional compensation to

the City.

The following subsection is added:

606.03.03A STAINING/SEALING OF EXISTING CONCRETE SIDEWALK

Existing concrete sidewalk that is to be stained/sealed, as shown on the plans or instructed by the Engineer, shall be done so with a stain/sealant that will produce a charcoal gray color.

When using equipment and materials preparation and installation, suitable protective gear must be worn and government regulations, manufacturer's instructions and all applicable safety requirements must be followed.

Use of a pressure washer, a rotary floor machine, or a walk-behind scrubbing machine will facilitate surface preparation on cured concrete. Smaller areas may be cleaned using handheld scrubber, washed thoroughly, and inspected for cleanliness. All washed or wet areas must be allowed to dry thoroughly before application stain/sealant.

During cleaning and stripping procedures, all surrounding areas should be closed to traffic, roped off, and protected. Existing concrete must have a uniform slip resistant surface. Surfaces that are not slip resistant must be roughened by some texturing method as described by the manufacturer.

All applicable federal, state and local safety, disposal, other regulations, including OSHA, must be followed. The Contractor follow all instructions and requirements set forth by the manufacturer.

606.04 MEASUREMENT AND PAYMENT

The following Item is deleted

Surface Applied Detectable Warning Surface.

The following items are added:

<u>Item</u>	<u>Pay Unit</u>
Concrete Sidewalk, 4" Thick	<u>Suare Yard</u>
<u>Cast in Place Detectable Warning Surface</u>	Square Yard

Areas of appurtenances such as cellar doors, steps, traffic signal foundations, junction boxes, detectable warning surfaces and tree pits will be deducted during measurement of sidewalk.

Separate payment will not be made for dense graded aggregate base course, underneath concrete sidewalks and driveways, if required will be made under the item Concrete Sidewalk, 4" Thick.

Payment for the construction of transition pavement will be made in accordance with the item Concrete Sidewalk, 4" thick.

Payment for the removal and disposal of any existing sidewalks and driveways and all adjacent site restoration will be included in the unit price bid for Concrete or Gray Concrete Sidewalk and Driveway.

No separate payment will be made for excavation, preparation of subgrade, forming, reinforcement wire mesh, bituminous expansion joints, joint sealer, curing compound and backfilling but all costs thereof shall be included in the unit price bid for the item Concrete or Gray Concrete Sidewalk and Driveway.

No separate payment will be made for replacing broken or deteriorated residential utility castings, resetting residential utility castings, cellar doors, existing traffic signs and any adjacent site landscaping and tree pit restoration but all costs thereof shall be included in the unit price bid for the item Concrete or Gray Concrete Sidewalk.

No separate payment will be made for saw cutting Surface Applied or Cast in Place detectable warning surface tiles with a preformed radius to match inside curb radius but all cost thereof shall be included in the Unit Price Bid for the item Cast in Place Detectable Warning Surface.

No separate payment will be made for demolition and removal of existing sidewalk and new concrete sidewalk underneath cast in place detectable warning surface but all costs thereof shall included under the item Cast in Place detectable Warning Surface.

SECTION 607 - CURBS

607.02 MATERIALS

607.02.01 Materials

The following is added:

Performed expansion joint filler shall be the Bituminous or Rubber Type in conformance with A.A.S.H.T.O. Spec M-33. Preformed bituminous cellular joint filler shall not be used.

For Gray Concrete Vertical Curb, Gray Portland cement shall contain Chromix Admixture Charcoal Gray color.

607.03 CONSTRUCTION

607.03.02 CONCRETE VERTICAL CURB AND CONCRETE SLOPING CURB

A. Underlayer Preparation

The following is added:

All excavated broken concrete/granite/bluestone curb, brick, cobblestones, boulders and bituminous concrete shall be disposed of at a Certified Recycling Facility in accordance with Subsection 202.03.07.

B. Constructing Forms

The following is added:

Concrete curbs shall be constructed in sections having uniform lengths of 10 feet and shall be poured completely separate from the concrete sidewalks and driveway.

C. Installing Joints

The following is added:

Expansion Joints shall be provided opposite joints in abutting concrete surface course and in curbing at approximately equal distances of not more than 10 feet between joints.

Joints shall be filled with ½ inch thick preformed expansion joint filler, Bituminous or Rubber Type , which shall be flush with the top and face of curb. **Preformed bituminous cellular joint filler shall not be used. Expansion joints in curbing shall be cut flush with the top of the curb the next day after the curb is poured.** Between concrete curbs and concrete surface or base course, ½ inch, preformed bituminous expansion joint filler shall be installed and the joint shall be sealed with hot poured joint sealer.

F. Protecting and curing Concrete

For charcoal gray curb, this subsection is changed to the following:

Immediately after finishing the concrete, apply curing compound as specified in 504.03.02F.1 and as recommended by the manufacturer of the charcoal gray concrete so that the concrete will not be stained by the curing compound. Protect the concrete as specified in 504.03.02.I

607.04 MEASUREMENT AND PAYMENT

The following items are added:

<u>Item</u>	<u>Pay Unit</u>
9" x 20" Concrete Vertical Curb	Linear Foot

Payment for the removal and disposal of any existing curb will be included in the unit price bid for 9" x 20" Concrete or Gray Concrete Vertical Curb.

Separate payment will not be made for HMA pavement restoration and Dense Graded Aggregate backfill under curb, if required. All costs therefore will be included in the unit price bid for Concrete Vertical Curb items.

Separate payment will not be made for excavation, repair strip, preparation of subgrade, forming, bituminous expansion joints, joint sealer, curing compound and backfilling. All cost thereof shall be included in the unit price bid for the item 9" x 20" Concrete or Gray Concrete Vertical Curb.

Separate payment will not be made for Class B Concrete Roadway Fill to restore damaged pavement along new curb to a maximum width of 12 inches. All costs thereof shall be included in the unit price bid for the item 9" x 20" Concrete or Gray Concrete Vertical Curb.

SECTION 919 MISCELLANEOUS

919.14 DETECTABLE WARNING SURFACE

Replace entire subsection with the following:

Materials for Detectable Warning Surfaces shall be Vitrified Polymer Composite (VPC) or Matte Finish Polyester Based Fiberglass reinforced Compression Molded SMC (Sheet Molding Compound) composite material for optimal slip resistance and maximum impact resistance tactile tiles having an epoxy polymer composition with an ultra violet stabilized coating employing aluminum oxide particles in the truncated domes.

1. Dimensions: Tiles shall be held within the following dimensions and tolerances:

Nominal Tile Size	
Length and Width	12" x 12" 24" x 24" 24"x 36" 24"x 48" 24"x60" 36"x48"
Depth	1.400" +/- 5% max. (C.I.P.) 0.1875"+/- 5% Max Surface Applied
Face Thickness	0.1875+/- 5% max.
Warpage of Edge	+/- 0.5% max.

2. Water Absorption of Tile when tested by ASTM-D570 not to exceed 0.35%.
3. Slip Resistance of Tile when tested by ASTM-C 1028 the combined wet/dry static co-efficient of friction not to be less than 0.90 on top of domes and field area.
4. Compressive Strength of tile when tested by ASTM-D 695-91 not to be less than 18,000 psi.
5. Tensile Strength of Tile when tested by ASTM-D 638-91 not to be less than 10,000 psi.
6. Flexural Strength of Tile when tested by ASTM-C 293-94 not to be less than 24,000 psi.
7. Chemical Stain Resistance of Tile when tested by ASTM-D 543-87 to withstand without discoloration or staining - 1% hydrochloric acid, urine, calcium chloride, stamp pad ink, gum and red aerosol paint.

SECTION 919-MISCELLANEOUS

8. Abrasive Wear of Tile BY Taber Abrasion when tested by ASTM-C501-84-96 shall not be less than 300. (The accepted standard for heavy duty flooring products)
9. Fire Resistance: When tested to ASTM E84 flame spread be less than 25.
10. Gardner Impact to geometry "GE" of the standard when tested by ASTM-D 5420-93 to have a mean failure energy expressed as a function of specimen thickness of not less than 450 in.lbf/in. A failure is noted if a hairline fracture is visible in the specimen.
11. Accelerated Weathering of Tile when tested by ASTM-G26-95 for 2000 hours shall exhibit the following result - no deterioration, fading or chalking of surface of tile and a Delta E value of less than 5.
12. Vitrified Polymer Composite (VPC) Cast-n-Place Tiles embedded in concrete shall meet or exceed the following test criteria:
 - a. Accelerated Aging Freeze Thaw Test of Tile when tested to ASTM-C903 shall show no evidence of cracking, delamination, warpage, checking, blistering, color change, loosening of tiles or other defects.
 - b. Salt and Spray Performance of Tile and Adhesive System when tested to ASTM-B 117 not to show any deterioration or other defects after 100 hours of exposure.
13. For surface applied tiles, fasteners, adhesive and sealants shall be as follows:
 - a. Fasteners shall be color matched, corrosion resistant, flat head drive anchors 1/4" x 1-5/8" composite sleeve anchor with stainless steel pin as manufactured ADA Solution, Inc. of Chelmsford, MA or equivalent.
 - b. Adhesive shall be a one component structural urethane adhesive such as Bostik D-818 Urethane Adhesive as manufactured by ADA Solutions, Inc. or equivalent.
 - c. Sealants shall be BASF NPI, SikaFlex 1A Urethane Sealant in "Limestone" color as manufactured by ADA, Inc. or equivalent. Color shall be aluminum grey only.

**BID PROPOSAL
BID DOCUMENTS**

It is understood and agreed that the Total Price stated by the undersigned in the "Schedule of Prices" is based on the Estimated Quantities and will only control in the awarding of the Contract. It is further understood that the quantities stated in the "Schedule of Prices" for the Items are estimated only and may be increased or decreased as provided in the Specifications.

Attached herewith is a:

_____ (Cashier's Check)

_____ (Certified Check)

(Check one) _____ (Bid Bond)

in the amount of \$ _____ representing ten percent (10%) of the Total Price bid; but not more than Twenty Thousand Dollars (\$20,000.00) nor less than Five Hundred Dollars (\$500.00).

The undersigned agrees that this Check or Bid Bond is to be forfeited as liquidated damages and not as a penalty, if the Contract is awarded to the undersigned and the undersigned shall fail to execute the Contract for the Project or forward the required Bonds within the stipulated time. Otherwise, the Check or Bid Bond will be returned to the undersigned.

Choice-of-Retainage:

If the Total Price bid for the Contract work exceeds One Hundred Thousand (\$100,000.00) Dollars the undersigned elects the following option for retainage in accordance with the General Conditions: (check one only)

_____ 2% Cash from each payment.

_____ 2% of Contract Amount in Bearer Bonds or Notes deposited with the City.

Attachments-to-Proposal:

The Bidder is required to submit the following detailed evidence that he has a competent organization which has constructed work similar in amount, value, cost and character, and has sufficient equipment available for the execution of the Contract.

The following attachments shall be submitted by the Bidder and are hereby made part of this Proposal:

1. A sworn statement of work performed during the last three (3) years. (See "1. *Certificate of Experience*")
2. A sworn statement of Plant and Equipment Questionnaire for use on this Project, consisting of four (4) sheets and attachments prepared by the Bidder. All Bidder's attachments shall be signed. (See attached forms entitled "2. *Plant and Equipment Questionnaire*")
- 3.* Affidavit of Non-Collusion. (See attached form entitled "4. *Non-Collusion Affidavit*")
4. Statement of Corporation or Partnership. (See attached form entitled "5. *Corporation or Partnership Statement*")
- 5.* Bidder is required to complete the enclosed Affirmative Action Forms. (See Bid Documents Subsection entitled "EEO/Affirmative Action Requirements")
6. Bid Guarantee (See Information to Bidders Article No. 9)
7. Consent of Surety (See Information to Bidders Article No.10)
- 8.* Business Registration Certificate issued by the State of New Jersey, Department of the Treasury (See GC-55 NJ Business Registration Requirements for Construction Contracts).

*** May be submitted within twenty four (24) hours after Bid reception. Business Registration Certificate may be submitted with Proposal or prior to the Contract Award.**

Failure to submit the Attachments will result in the automatic rejection of the bid.

BID PROPOSAL CHECK LIST

The following documents are to be completed and submitted with the bid proposal. Compliance shall be indicated by placing initials on the line preceding each item attached:

- ___ * List of Prices
- ___ * Grand Total Bid Price
- ___ Alternate(s), if applicable, with supporting documentation, if applicable.
- ___ Substitutions, if applicable, are attached in conformance with the Information to Bidders, Article 22, Substitutions
- ___ * Certificate of Experience of General Contractor
- ___ Certificate of Experience for subcontractors required to be named pursuant to N.J.S.A. 40A:11-16
- ___ * Plant and Equipment Questionnaire completed by General Contractor
- ___ Plant and Equipment Questionnaire completed by Subcontractors required to be named pursuant to N.J.S.A. 40A:11-16
- ___ Non-Collusion Affidavit
- ___ * Corporation or Partnership Statement
- ___ Form MWB-3 - Minority/Women Business Compliance Plan (3 Forms)
- ___ Exhibit B: Mandatory Equal Employment Opportunity Language (N.J.S.A. 10.5-31 et seq) (N.J.A.C. 17:27) Construction Contracts must be signed.
- ___ State of New Jersey, Division of Contract Compliance Equal Employment Opportunity in Public Contracts' Initial Project Workforce Report Construction (Form AA-201). **Must be submitted after notification of award but prior to signing a construction contract.** Form AA-201 may be obtained and must be submitted to Jersey City's Public Agency Compliance Officer (P.A.C.O.) at Office of EEO/AA, 280 Grove Street, Room - 103, Jersey City, NJ 07302, Telephone 201-547-4533 and Fax 201-547-5088.
- ___ * Bid Bond
- ___ * Consent of Surety
- ___ Public Works Contractor Registration Certificates for General Contractor and all Subcontractors listed on the Plant and Equipment Questionnaire in the Proposal.
- ___ New Jersey Business Registration Certificates of General Contractor and all Subcontractors listed on the Plant and Equipment Questionnaire in the Proposal.
- ___ * Written Acknowledgement of Addendum (if issued), on Page P-1 of the Bid Form, pursuant to N.J.S.A. 40A:11-23.2 (e).

FAILURE TO INCLUDE THE BID DOCUMENTS LISTED IMMEDIATELY ABOVE THAT ARE MARKED WITH AN ASTERISK (*) SHALL RESULT IN AN AUTOMATIC REJECTION OF THE BID AT THE TIME OF THE BID RECEPTION.

ITEM NO. 5 **HMA,9.5M64 SURFACE COURSE** \$ _____

55 Tons @ \$ _____ per Ton

(Write Unit Price)

ITEM NO. 6 **REPAIR CATCH BASIN WALL** \$ _____

20 SF @ \$ _____ per LF

(Write Unit Price)

ITEM NO. 7 **CAST IRON CURB PIECE TYPE P 4" HIGH** \$ _____

2 Unit @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 8 **CAST IRON CURB PIECE TYPE N 6" HIGH** \$ _____

2 Unit @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 9 **BICYCLE SAFE GRATE 21 3/4" X 47 3/4'** \$ _____

2 Unit @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 10 9" X 20" VERTICAL CURB \$ _____

1400 LF @ \$ _____ per Linear Foot

(Write Unit Price)

ITEM NO. 11 CONCRETE SIDEWALK 4" THICK \$ _____

1,500 SY. @ \$ _____ per Square Yard

(Write Unit Price)

ITEM NO. 12 CAST IN PLACE DETECTABLE WARNING SURFACE \$ _____

90 S.Y. @ \$ _____ per Square Yard

(Write Unit Price)

ITEM NO. 13 DRIVEWAY ACCESS BACK PLATE \$ _____

1 Unit. @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 14 NEW CATCH BASIN TYPE B \$ _____

7 Unit. @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 15 **NEW CB CASTING TYPE B** \$ _____

5 Unit. @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 16 **RESET EXISTING CB CASTING** \$ _____

1 Unit @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 17 **RESET JUNCTION BOX CASTING** \$ _____

1 Unit @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 18 **TRAFFIC DIRECTORS, JERSEY CITY POLICE** \$24,000.00

600 HR @ \$40.00 per Hour

(Write Unit Price)

ITEM NO. 19 **TRAFFIC DIRECTOR, JC POLICE (OVER TIME RATE, 7:00AM TO 4:00PM)** \$920.00

16 HR @ \$57.50 per Unit

(Write Unit Price)

ITEM NO. 20 **TRAFFIC DIRECTOR,JC POLICE (OVER TIME** **\$1080.00**
RATE + Night Differential., 4:00PM to 6:00AM)
16 HR. @ \$ 67.50 per HR

(Write Unit Price)

ITEM NO. 21 **TRAFFIC DIRECTORS, FLAGGER** **\$4500.00**

100 HR @ \$45.00 per HR

(Write Unit Price)

ITEM NO. 22 **CONSTRUCTION SIGNS** \$ _____

35 SF @ \$ _____ per SF

(Write Unit Price)

ITEM NO. 23 **TRAFFIC DRUM** \$ _____

20 Units @ \$ _____ per Unit

(Write Unit Price)

ITEM NO. 24 **TRAFFIC CONE** \$ _____

25 Units @ \$ _____ per Unit

(Write Unit Price)

TOTAL BID PRICE

\$ _____
(In figures)

\$ _____
(Price in Words, Dollars and Cents)

PROPOSAL (CONTINUED)

The undersigned is _____ (an individual)
_____ (a corporation) under the laws
_____ (a partnership)

of the State of _____ having offices

at _____

	Signed	_____
	Name	_____
(Type or Print)	Title	_____
	Company	_____
	Address	_____

	Phone	_____
	Fax	_____
	E-Mail	_____

(Seal if Bid is by a Corporation)

PROPOSAL (CONTINUED)

STATE OF _____)

: ss.

COUNTY OF _____)

I, _____ of the City of _____, in the
County of _____ and the State of _____, of full age,
having been duly sworn according to law, upon my oath depose and say that:

I am _____ of _____, and
Title Name of Organization
in that capacity, I am authorized or empowered to submit this Proposal and all statements
herein contained are true and correct.

Sworn and Subscribed to the _____
City of Jersey City
Signature

before me this _____ day

of _____, 2015

SIGNATURE OF NOTARY PUBLIC
(Stamp and Seal)

My commission expires _____

1. CERTIFICATE OF EXPERIENCE:

The Bidder must supply a document which will indicate his experience in performing the required work under this Project. This document shall be attached to this Proposal and along with this Certificate, shall be signed by Bidder.

The information to be included on this document shall consist of at least the following:

- (1) Name of Owner
- (2) Amount of Contract
- (3) Type of Work
- (4) Name of Owner's Engineer in Charge of Work
- (5) Address of Owner's Engineer, Street and Municipality
- (6) Approximate Dates

_____ hereby certifies that
_____ has performed the following work as described
on the attached sheet within the past three (3) years.

Witness

Name of Bidder

By _____

Title

Date

IMPORTANT: THIS CERTIFICATION MUST BE FILLED IN BY BIDDER.

2. PLANT AND EQUIPMENT QUESTIONNAIRE

Submitted to City of Jersey City

By _____

_____ a Corporation

_____ a Partnership

_____ an Individual

With Principal Office at _____.

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

a. In what manner have you inspected the proposed work? Explain in detail.

b. Explain your plan and schedule for performing the proposed work.

c. The work, if awarded to you, will have the personal supervision of whom?

2. PLANT AND EQUIPMENT QUESTIONNAIRE (Continued)

d. Do you intend to do the concrete work on the proposed work with your own forces?
 _____ If so, give type of equipment to be used.

e. Do you intend to sublet any portions of the work? _____ If so, it is mandatory pursuant to N.J.S.A. 40A:11-16 that you list the names of those subcontractors under each discipline below, failure to do so will automatically result in rejection of the bid.

<u>Trade</u>	<u>Name of Subcontractor</u>	<u>Address</u>
Plumbing & Gas Fitting and all kindred work	_____	_____
Steam and Hot Water Heating and Ventilating Apparatus, and all kindred Work	_____	_____
Electric Work	_____	_____
Structural Steel & Ornamental Iron	_____	_____

Each subcontractor listed above shall fill out and submit a Certificate of Experience (as shown in this Bid Proposal) and items a, b, c, f, g, h, i and the remaining affidavit, duly executed, on the last page of the "Plant and Equipment Questionnaire". The General Contractor shall supply each subcontractor with duplicate pages of this proposal to be filled out by the subcontractor and then submitted with the bid proposal.

2. PLANT AND EQUIPMENT QUESTIONNAIRE (Continued)

Whenever a bid sets forth more than one subcontractor for any of the specialty trade categories listed above, the bidder shall submit to the contracting unit a certificate signed by the bidder listing each subcontractor named in the bid for that category. The certificate shall set forth the scope of work for which the subcontractor has submitted a price quote and which the bidder has agreed to award to each subcontractor should the bidder be awarded the contract. The certificate shall be submitted to the contracting unit simultaneously with the list of the subcontractors. The certificate may take the form of a single certificate listing all subcontractors or, alternatively, a separate certificate may be submitted for each subcontractor. If a bidder does not submit a certificate or certificates to the contracting unit, the contracting unit shall award the contract to the next lowest responsible bidder.

- f. Give full information about all of your contracts, whether private or government contracts, whether prime or sub-contracts; whether in progress or awarded but not yet begun; or where you are low bidder pending formal award of contract.

The information to be included on this document shall consist of at least the following:

- (a) Owner
- (b) Location
- (c) Description
- (d) Adjusted Contract Amount
- (e) Amount Completed and Billed
- (f) Additional Earned Since Last Estimate
- (g) Balance to be Completed
- (h) Estimated Date of Completion
- (i) Totals of Items, D, E, F, G and H above

- g. What equipment do you own that is available for and intended to be used on the proposed project?

The information to be included on this document shall consist of at least the following:

- (a) Quantity
- (b) Type of Equipment
- (c) Description, Size, Capacity, etc.
- (d) Condition
- (e) Years of Service
- (f) Present Location

2. PLANT AND EQUIPMENT QUESTIONNAIRE (Continued)

h. What equipment do you intend to purchase or lease for use on the proposed work, should the Contract be awarded to you?

The information to be included on this document shall consist of at least the following:

- (a) Quantity
- (b) Type of Equipment
- (c) Description, Size, Capacity, etc.
- (d) Approximate Cost Purchase/Lease

i. Have you made contracts or received firm offers for all materials within prices used in preparing your Proposal? Do not give name of dealers or manufacturers.

The undersigned hereby declare(s) that the items of equipment in Question g are owned by _____, and are available for and are intended to be used on the Project, if awarded the Contract, and that he/they propose(s) to purchase or lease for the Project the additional items of equipment stated in Question h.

If awarded the Contract, the undersigned will furnish certificates from the owners of leased equipment to the effect that, in case of default of Contract, as set forth in NJSS Subsection 108.14, the Governing Body has the right to take over the leased equipment for use in completing the work.

2. PLANT AND EQUIPMENT QUESTIONNAIRE (Continued)

STATE OF _____)

: ss.

COUNTY OF _____)

I, _____ of the City of _____, in the County of _____ and the State of _____, of full age, having been duly sworn according to law, upon my oath depose and say that:

I am _____ of _____, and that
Title Name of Organization

the answers to the foregoing questions and all statements therein contained are true and correct.

Sworn and Subscribed to the _____
City of Jersey City

before me this _____ day
of _____, 2015.

SIGNATURE OF NOTARY PUBLIC
(Stamp and Seal)

My commission expires _____

3. NON-COLLUSION AFFIDAVIT

PROJECT TITLE:

STATE OF _____)

: ss.

COUNTY OF _____)

I, _____ of the City of _____, in the County of _____ and the State of _____, of full age, having been duly sworn

according to law, upon my oath depose and say that:

I am _____ of _____, the
Title Organization

Bidder making the Proposal for the above named Project and that I executed the said Proposal with full authority to do so; that said Bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken 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 City of Jersey City 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

(Name of Contractor)

Sworn and Subscribed to the _____
City of Jersey City

before me this _____ day

of _____, 2015.

SIGNATURE OF NOTARY PUBLIC
(Stamp and Seal)

My commission expires _____

4. CORPORATION OR PARTNERSHIP STATEMENT

Chapter 33 of the Public Laws of 1977 provides that no corporation or partnership shall be awarded any State, County, Municipal or School Districts contract for purposes of any work or the furnishing of any materials or supplies unless prior to the receipt of the bid or accompanying the bid of said corporation or partnership there is submitted a statement. The statement shall set forth the names and addresses of all stockholders in the corporation or partnership who own ten percent (10%) of its stock of any class or of all individual partners in the partnership who own a ten percent (10%) or greater interest therein.

Incorporated: _____ Partnership: _____ Date: _____

Legal Name of Bidder: _____

Business Address: Street, City, State and Zip Code

Telephone: ()

Listed below are the names and addresses of all stockholders in the corporation or partnership who own ten percent (10%) or more of its stock of any class, or of all individual partners in the partnership who own a ten percent (10%) or greater interest therein.

Name: _____ Address: _____

We have no one person who owns ten percent (10%) or more of the corporate or partnership.

Signed: _____

Title : _____

6. BID GUARANTEE (SEE INFORMATION TO BIDDERS ARTICLE NO. 09)

7. CONSENT OF SURETY (SEE INFORMATION TO BIDDERS ARTICLE NO. 10)

**EEO/AFFIRMATIVE
ACTION
REQUIREMENTS**

**EEO/AFFIRMATIVE
ACTION
REQUIREMENTS
CONSTRUCTION CONTRACTS**

Questions in reference to EEO/AA Requirements For Construction
Contracts should be directed to:

Jeana F. Abuan
Affirmative Action Officer, Public Agency Compliance Officer
Department of Administration
Office of Equal Opportunity/Affirmative action
280 Grove Street Room-103
Jersey City NJ 07302
Tel. #201-547- 4533
Fax# 201-547-5088
E-mail Address: abuanJ@jcnj.org

(REVISED 4/10)

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 ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, 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 equal employment opportunity 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 will send to each labor union, with which it has a collective bargaining agreement, 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 targeted employment goal prescribed by N.J.A.C. 17:27-7.2; 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 targeted employment goal established in

accordance with N.J.A.C. 17:27-7.2. 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 afford equal employment opportunities minority and women workers directly, consistent with this chapter. 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 affording equal employment opportunities as specified in this chapter, the contractor or subcontractor agrees to be prepared to provide such opportunities to minority and women workers directly, consistent with this chapter, 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 that the union is not referring minority and women workers consistent with the equal employment opportunity goals set forth in this chapter.

(B) If good faith efforts to meet targeted employment goals have not or cannot be met 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:

- (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;
- (5) If it is necessary to lay off some of the workers in a given trade on the construction site, layoffs shall be conducted in compliance with the equal employment opportunity and non-discrimination standards set forth in this regulation, as well as with applicable Federal and State court decisions;
- (6) To adhere to the following procedure when minority and women workers apply or are referred to the contractor or subcontractor:

(i) The contractor or subcontractor shall interview the referred minority or women worker.

(ii) 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 in good faith determine the qualifications of such individuals. The contractor or subcontractor shall hire or schedule those individuals who satisfy appropriate qualification standards in conformity with the equal employment opportunity and non-discrimination principles set forth in this chapter. 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.

(iii) The name of any interested women or minority individual shall be maintained on a waiting list, and shall be considered for employment as described in (i) above, whenever vacancies occur. At the request of the Division, the contractor or subcontractor shall provide evidence of its good faith efforts to employ women and minorities from the list to fill vacancies.

(iv) 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 targeted 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) electronically provided to the public agency by the Division, through its website, 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 Public Contracts Equal Employment Opportunity Compliance 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 Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (NJAC 17:27).

The undersigned vendor certifies on their company's receipt, knowledge and commitment to comply with:

EXHIBIT B

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127) and N.J.A.C. 17:27

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE

Construction Contracts

The undersigned vendor further agrees to furnish the required forms of evidence and understands that their contract/company's bid shall be rejected as non-responsive if said contractor fails to comply with the requirements of N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127) and N.J.A.C. 17:27.

Representative's Name/Title (Print): _____

Representative's Signature: _____

Name of Company: _____

Tel. No.: _____ Date: _____

APPENDIX 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. 5121 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.

Representative's Name/Title Print): _____
Representative's Signature: _____
Name of Company: _____
Tel. No.: _____ Date: _____

STATE OF NEW JERSEY
DIVISION OF CONTRACT COMPLIANCE
EQUAL EMPLOYMENT OPPORTUNITY IN PUBLIC CONTRACTS

FORM AA-201
 Revised 10/03

INITIAL PROJECT WORKFORCE REPORT CONSTRUCTION

Official Use Only

Assignment

Code

READ INSTRUCTIONS ON THE BACK CAREFULLY BEFORE THE COMPLETION AND DISTRIBUTION OF THIS FORM.
 PLEASE TYPE OR PRINT IN BLACK OR BLUE INK.

1. FID NUMBER	2. CONTRACTOR ID NUMBER	5. NAME AND ADDRESS OF PUBLIC AGENCY AWARDCING CONTRACT	
3. NAME AND ADDRESS OF PRIME CONTRACTOR		CONTRACT NUMBER DATE OF AWARD DOLLAR AMOUNT OF AWARD	
(Name)		6. NAME AND ADDRESS OF PROJECT	
(Street Address)		7. PROJECT NUMBER	
(City) (State) (Zip Code)		COUNTY	
4. IS THIS COMPANY MINORITY OWNED [] OR WOMAN OWNED []		8. IS THIS PROJECT COVERED BY A PROJECT LABOR AGREEMENT (PLA)? <input type="checkbox"/> YES <input type="checkbox"/> NO	

9. TRADE OR CRAFT	PROJECTED TOTAL EMPLOYEES				PROJECTED MINORITY EMPLOYEES				PROJECTED PHASE - IN DATE	PROJECTED COMPLETION DATE
	MALE		FEMALE		MALE		FEMALE			
	J	AP	J	AP	J	AP	J	AP		
1. ASBESTOS WORKER										
2. BRICKLAYER OR MASON										
3. CARPENTER										
4. ELECTRICIAN										
5. GLAZIER										
6. HVAC MECHANIC										
7. IRONWORKER										
8. OPERATING ENGINEER										
9. PAINTER										
10. PLUMBER										
11. ROOFER										
12. SHEET METAL WORKER										
13. SPRINKLER FITTER										
14. STEAMFITTER										
15. SURVEYOR										
16. TILER										
17. TRUCK DRIVER										
18. LABORER										
19. OTHER										
20. OTHER										

I hereby certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements are willfully false, I am subject to punishment.

 (Signature)

10. (Please Print Your Name) _____ (Title) _____

(Area Code) _____ (Telephone Number) _____ (Ext.) _____ (Date) _____

STATE OF NEW JERSEY DIVISION OF CONTRACT COMPLIANCE

FORM AA202

FORM AA-202
REV. 5-01

State of New Jersey
Division of Contract Compliance and
Equal Employment Opportunity in Public Contracts

MONTHLY PROJECT WORKFORCE REPORT - CONSTRUCTION

READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING

3. FID or SS#

THIS FORM PLEASE TYPE OR PRINT IN BLACK OR BLUE INK.

1. Name and address of Prime Contractor

2. Contractor ID #

4. Reporting Period

(NAME)

5. Public Agency Awarding Contract

Date of Award

(ADDRESS)

6. Name and Location of Project County

7. Project ID#

(CITY)

(STATE)

(ZIP CODE)

B. CONTRACTOR NAME (LIST PRIME CONTRACTOR WITH SUBS FOLLOWING)	A. PERCENT OF MAX COMPLETED	B. TRACE OR DATE	CLASS LOCATION (SEE REVERSE)	C. NUMBER OF EMPLOYEES						G. TOTAL NO OF EMP.	H. WORK HOURS				I. NO. OF WORKERS			J. CURR. WORKERS			K. % CURR. OF WH	
				A.	B.	C.	D.	E.	F.		NO. OF HRS.	A.	B.	% OF MEN	% OF FEMALE	TOTAL WORK HRS.	MEN HRS.	FEMALE HRS.	% OF MEN	% OF FEMALE		
			J																			
			AP																			
			J																			
			AP																			
			J																			
			AP																			
			J																			
			AP																			

IF COMPLETED BY (PRINT OR TYPE) I HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE. I AM AWARE THAT IF ANY OF THE STATEMENTS ARE WILLFULLY FALSE, I AM SUBJECT TO PUNISHMENT.

(NAME) (SIGNATURE) (TITLE)

(AREA CODE) (TELEPHONE NUMBER) (EXT.) (DATE)

**Minority/Woman Business Enterprise (MWBE)
Questionnaire for Bidders**

Jersey City Ordinance C-829 establishes a goal of awarding 20% of the dollar amount of total city procurement to minority and woman owned business enterprises.

To assist us in monitoring our achievement of this goal, please indicate below whether your company is or is not a minority owned and/or woman owned business, and return this form with your bid proposal.

Business Name : _____

Address : _____

Telephone No. : _____

Contact Name : _____

Please check applicable category :

_____ Minority Owned Business (MBE)

_____ Minority & Woman Owned
Business (MWBE)

_____ Woman Owned business (WBE)

_____ Neither

Definitions

Minority Business Enterprise

Minority Business Enterprise means a business which is a sole proprietorship, partnership or corporation at least 51% of which is owned and controlled by persons who are African American, Hispanic, Asian American, American Indian or Alaskan native, defined as follows:

African American: a person having origins in any of the black racial groups of Africa

Hispanic: a person of Mexican, Puerto Rican, Central or South American or other non-European Spanish culture or origin regardless of race.

Asian: a person having origins in any of the original peoples of the Far East, South East Asia, Indian subcontinent, Hawaii or the Pacific Islands.

American Indian or Alaskan Native: a person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

Woman Business Enterprise

Woman Business Enterprise means a business which is a sole proprietorship, partnership or corporation at least 51% of which is owned and controlled by a woman or women.

**Minority/Woman Business Enterprise (MWBE)
Questionnaire for Bidders**

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To assist us in monitoring our achievement of this goal, please indicate below whether your company is or is not a minority owned and/or woman owned business, and return this form with your bid proposal.

Business Name : _____

Address : _____

Telephone No. : _____

Contact Name : _____

Please check applicable category :

_____ Minority Owned Business (MBE)

_____ Minority & Woman Owned
Business (MWBE)

_____ Woman Owned business (WBE)

_____ Neither

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American Indian or Alaskan Native: a person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

Woman Business Enterprise

Woman Business Enterprise means a business which is a sole proprietorship, partnership or corporation at least 51% of which is owned and controlled by a woman or women.

Form MWB-3 Contractor's compliance plan to be submitted with bid document
CONTRACTOR: PROVIDE TWO (2) COMPLETED COPIES OF THIS FORM WITH YOUR PROPOSAL (or within 24 hours thereafter)

**City of Jersey City
 Department of Administration / Division of Equal Opportunity
 Division of Equal Opportunity**

Project: _____ # _____

Contractor: _____ Bid Amt. \$ _____

Please list what portions of the work, if any, you intend to sublet, the approximate value of same, and whether you anticipate subletting it to a minority or woman owned contractor, or neither.

Trade	Approx. \$ value	To minority or woman Business? check appropriate column		
		Minority	Wom-an	Neither
XXXXXXXXXXXXXXXXXXXXXXXXXXXX				

Receipt of this report by the City does not constitute acceptance by the City of minority business participation goals less than 20% or women business participation goals less than 5% unless specifically agreed to by the Division of Equal Opportunity

CONTINUED ON NEXT PAGE

Form MWB-3 Contractor's compliance plan to be submitted with bid document
CONTRACTOR: PROVIDE TWO (2) COMPLETED COPIES OF THIS FORM WITH YOUR PROPOSAL (or within 24 hours thereafter)

**City of Jersey City
 Department of Administration / Division of Equal Opportunity
 Division of Equal Opportunity**

Project: _____ # _____

Contractor: _____ Bid Amt. \$ _____

Please list what portions of the work, if any, you intend to sublet, the approximate value of same, and whether you anticipate subletting it to a minority or woman owned contractor, or neither.

Trade	Approx. \$ value	To minority or woman Business? check appropriate column		
		Minority	Wom-an	Neither
XXXXXXXXXXXXXXXXXXXXXXXXXXXX				

Receipt of this report by the City does not constitute acceptance by the City of minority business participation goals less than 20% or women business participation goals less than 5% unless specifically agreed to by the Division of Equal Opportunity

CONTINUED ON NEXT PAGE

MWB3 page 2 - Project _____

2. As to subcontracted trades mandated to be included in proposal pursuant to NJSA 40A:11-16, please list name of proposed subcontractor, trade, and whether minority, woman, or not

Trade	Contractor name & address	Approx \$ value	To minority or woman Business? check appropriate column		
			Min.	Wom.	Neither
XXXXXXXXXXXXXXXXXXXXXXXXXXXX					

3. What is your policy and practice with respect to outreach and consideration of minority and woman owned vendors/contractors as contractors and/or suppliers?

Name of Contractor

by: Signature _____

Type or print name/title: _____

Tel: No. _____ Date: _____

.....
 For City use:

Acceptable M/W business participation levels for this project: _____

by _____ Date: _____

MWB3 page 2 - Project _____

2. As to subcontracted trades mandated to be included in proposal pursuant to NJSA 40A:11-16, please list name of proposed subcontractor, trade, and whether minority, woman, or not

Trade	Contractor name & address	Approx \$ value	To minority or woman Business? check appropriate column		
			Min.	Wom.	Neither
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					

3. What is your policy and practice with respect to outreach and consideration of minority and woman owned vendors/contractors as contractors and/or suppliers?

Name of Contractor

by: Signature _____

Type or print name/title: _____

Tel: No. _____ Date: _____

.....
 For City use:

Acceptable M/W business participation levels for this project: _____

by _____ Date: _____

SAMPLE LETTER TO THE UNION

(CONTRACTOR'S LETTER HEAD)

Date:

Local Union: _____

Re: _____ Project, Jersey City, NJ

This company is about to enter into a contract with the City of Jersey City for the above project. A condition of the contract is compliance with the state approved affirmative action program, which requires that we make a good faith effort to use minority workers in each construction trade to the extent of ____% of the total work hours, and female workers to the extent of 6.9% of total work hours.

We are further required to submit a statement from an authorized union official, that the union will take such actions as may be necessary with respect to the referral and employment of minority group persons in order to enable this contractor to meet its obligations under the affirmative action plan.

We solicit your help and cooperation, by engaging in aggressive recruitment of minority workers, providing us with the statement requested, and advising whether the union will be able to fulfill our work force needs as indicated.

Very Truly Yours,

P.L. 2004, c. 57 (N.J.S.A. 52:32-44)
MANDATORY BUSINESS REGISTRATION LANGUAGE

Construction Contracts

P.L. 2004, c. 57 (Chapter 57) amends and supplements the business registration provisions of N.J.S.A. 52:32-44 which impose certain requirements upon a business competing for, or entering into a contract with a local contracting agency whose contracting activities are subject to the requirements of the Local Public Contracts Law (N.J.S.A. 40A:11-2).

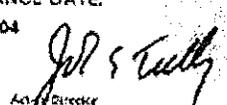
“New Jersey Business Registration Requirements”

The contractor shall provide written notice to its subcontractors and suppliers of the responsibility to submit proof of business registration to the contractor. The requirement of proof of business registration extends down through all levels (tiers) of the project.

Before final payment on the contract is made by the contracting agency, the contractor shall submit an accurate list and the proof of business registration of each subcontractor or supplier used in the fulfillment of the contract, or shall attest that no subcontractors were used.

For the term of the contract, the contractor and each of its affiliates and a subcontractor and each of its affiliates [N.J.S.A. 52:32-44(g)(3)] shall collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act on all sales of tangible personal property delivered into this State, regardless of whether the tangible personal property is intended for a contract with a contracting agency.

A business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001, c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977, c.110 (C.5:12-92), or that provides false business registration information under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.”

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE FOR STATE AGENCY AND CASINO SERVICE CONTRACTOR		DEPARTMENT OF TREASURY DIVISION OF REVENUE PO BOX 952 TRENTON, NJ 08647-0952
TAXPAYER NAME: TAX REGISTRATION TEST ACCOUNT	TRADE NAME: CLIENT REGISTRATION	
TAXPAYER IDENTIFICATION#: 970-097-382/000	SEQUENCE NUMBER: 01073	
ADDRESS: 847 ROEBLING AVE TRENTON NJ 08611 EFFECTIVE DATE: 01/01/04	ISSUANCE DATE: 07/14/04	
 Act Director		
<small>This Certificate is NOT for public use or distribution. It shall be conspicuously displayed at above address.</small>		

 STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE	
Taxpayer Name:	TAX REG TEST ACCOUNT
Trade Name:	
Address:	847 ROEBLING AVE TRENTON, NJ 08611
Certificate Number:	1093907
Date of Issuance:	October 14, 2004
For Office Use Only:	
	20041014112823533

Minority/Women Business Participation
In City Construction Contracts
City of Jersey City
Department of Administration
Office of Equal Opportunity/Affirmative Action

I Policy

The City of Jersey City has a policy of equal opportunity and nondiscrimination in public contracting based on race, national origin or gender. Further, the City's policy is to encourage increased participation of minority owned businesses in city contracts. This is in accordance with N.J.S.A. 10:5-32, which provides that public works contracts shall provide for equality in opportunity by any contractor engaged in a public works project.

The City has determined that a "responsible" bidder does not engage in unlawful race or gender discrimination in its awarding of subcontracts or the purchase of supplies used in construction, and does make reasonable efforts to solicit and award subcontracts to minority and female businesses.

II Purpose

The city has adopted regulations to assure that bidders receiving City Constructions are not engaged in unlawful discrimination and make reasonable good faith to include persons of color and women owned businesses as subcontractors. The intent and purpose of these procedures is not to require that a specific proportion of every contract be allocated to minority and women owned businesses, but to assure that they are included in the competitive process and have opportunities to participate in the city's publicly contracted projects. Pursuant to this policy, contractor is expected to include minority/women owned businesses in all formal or informal invitations to quote, etc, and to make every reasonable effort to provide subcontracting opportunities to qualified minority and women owned businesses.

The purpose of the "participation levels" referred to herein is to help the city determine whether the contractor has met the requirements of nondiscrimination and of good faith efforts to make subcontracting opportunities available to minority and woman owned businesses. These regulations presume that contractors who have attained or exceeded the suggested participation levels for minority and female subcontractor participation on particular City construction contracts are not engaging in unlawful sex or racial discrimination and have engaged in reasonable efforts to involve minority and female subcontractors. A contractor who is unable to attain or exceed such levels may have its subcontracting practices examined by the city to determine if it is engaging in unlawful discrimination in subcontracting practices or has failed to engage in reasonable outreach efforts.

III Suggested participation level for minority and women owned subcontractors:

- A. Suggested levels of participation for minority owned subcontractors and women owned subcontractors are determined based on estimates of the dollar value of the work in the various disciplines which may be subcontracted and the availability of minority and woman owned prospective subcontractors in the applicable work areas as reflected in the "SAVI II" database maintained by the State of new Jersey, Department of Commerce & Economic Development, Division of Small, Women & Minority Businesses. The Office of the Minority & Women Business Enterprise Program maintains and updates a listing of minority and women owned businesses (M/WB's) providing various categories of goods and services. Minority and/ or women owned businesses (M/WB's) are those registered as such with the State of New Jersey, Department of Commerce & Economic Development, Division of Small, Women & Minority Businesses (SAVI II database). In addition, bona fide minority or women owned businesses that are not so registered will be accepted as such pending completion of the registration process, on recommendation of the Minority/ Women Business Enterprise Development Program (MWBE Director).
- B. In the event the contractor who is awarded the contract elects to perform in-house, with its own personnel and resources, parts of the job included in the subcontracting estimate, the participation levels will be adjusted accordingly.
- C. Suggested participation levels for this project are:

Minority Owned20% of the total dollar amount of the contract

Woman owned20% of the total dollar amount of the contract

IV Availability of information/referral lists of minority/women businesses

- A. To assist the successful bidder in identifying prospective M/WB subcontractors for various areas of work included in the project, after notification that the City Council has awarded the contract but prior to the execution of the contract, the successful bidder should contact the M/WBE Director with regard to meeting the City's suggested participation levels of M/WB contractors in the specific disciplines involved in the project.

Identification and/or establishment of prospective subcontractors in various specialties by the M/WBE Director or any City employee are not to be construed as making any representation as to the qualification of any such contractor to perform. Such identification/establishment are made for the sole purpose of identifying minority and women owned businesses in the required areas of work. Determination of qualifications for the particular project remains the responsibility of the contractor. Nothing in these requirements is to be construed as changing in

any way the provision that "bidder will be required to establish to the satisfaction of the Architect (Engineer) the reliability and responsibility of the proposed subcontractors to furnish and perform the work . . . ", or any other provision of these specifications.

V. Bidders will submit with bid proposal:

1. Plan for outreach to and utilization of minority and/or women owned businesses as subcontractors, including bidder's anticipated level for M/WB's in each specialty, which parts of the contract bidder plans to subcontract, and which parts of the contract bidder anticipates subcontracting to M/WB's (Form MWB-3)
2. As to subcontractors required to be submitted with the bid proposal pursuant to NJSA 40A:11-16, or any additional subcontractors requested for bid submission by the architect Engineer, bidder will indicate, on Form MWB-3, if any, are minority or woman owned, and what efforts were made to offer subcontracting opportunities to MWB's in these disciplines, including "solicitation list" of contractors solicited to quote on the job and "commitment lists" of those awarded or to be awarded subcontracts.
3. Bidders will provide a separate copy of items 1 and 2 above, which the Purchasing Agent will forward to the MWB director for review.

VI. **The following applies to the apparent lowest responsive bidder, or three lowest responsive bidders, after results of bid reception have been announced by the Purchasing Agent:**

- A. MWBE director will review forms/information submitted by apparent lowest responsible bidder (or three lowest responsible bidders) as part of the bid/proposal, for compliance with nondiscrimination and minority/ women business outreach requirements. These will be preliminary findings, subject to receipt and review of further information/documentation indicated below.
- B. MWBE Director may communicate with apparent lowest responsible bidder (or three lowest) requesting further information about subcontractors solicited and subcontractors engaged, and which if any are minority or woman owned, and if appropriate, offering assistance in identifying prospective minority/women subcontractors. (See Form MWB-5). Contractor will have one week to respond. If contractor fails to respond this may result in the bid being found non-responsive, on recommendation of the MWBE Director in consultation with the Corporation Counsel.
- C. MWBE review will include

1. Verifying that proposed subcontractors listed as M/WB's are listed in the State of NJ SAVI II database or other recognized MWBE listings, e.g., New Jersey Transit, Port Authority, etc. If not, director will attempt to ascertain whether said subcontractors are in fact person of color and/or woman owned and controlled, and provide assistance to proposed subcontractors in registering with SAVI II If MWBE Director has reason to believe the proposed subcontractor is not a bona fide or woman owned and operated business he/she will inform the bidding contractor and the city officials referred to in this section, and may require further verification.
2. Verifying whether bidder has achieved the suggested levels of MWB participation.
3. If not, reviewing the contractor's efforts as documented and the contractor's reasons for not achieving such levels.

D. Findings/Recommendations as to compliance

1. If the bidder's MWB targeted participation levels are achieved, bidder will be presumed not to be engaging in unlawful racial and gender discrimination in the selection of subcontractors and suppliers and will be presumed to have engaged in reasonable outreach efforts.

If the participation levels are not achieved by the bidder, the MWBE director in consultation with the Corporation Counsel will review the contractor's outreach efforts and subcontracting practices to determine if it has engaged in reasonable efforts to provide subcontracting opportunities to minority owned businesses, or if it has engaged or is engaging in unlawful race or sex discrimination.

3. If said review indicates that the bidder has made reasonable efforts to include minority as subcontractors and suppliers and has not engaged in unlawful race and sex discrimination, the bidder will be in compliance with the requirements of these provisions.
4. If said review indicates that the bidder has failed to make reasonable efforts to provide opportunities to minority businesses as subcontractors and suppliers, has or has engaged in unlawful race and sex discrimination, the bidder will be deemed not responsible under the provisions of these regulations and the provisions of the specifications. Such recommendation will be made by the MWBE director to the Purchasing Agent in consultation with the Corporation Counsel. Any bidder whose bid is rejected based on finding of discrimination may request and receive a hearing in accordance with applicable law (local, state and federal).
5. The review and recommendation process referred to in sections C and D should be completed within two weeks.

VII Awarding of contract

- A. The contract will include a provision that Contractor will continue to comply with the provisions of the Minority/Women Business Program requirements and the MWB participation levels agreed upon.
- B. The MWBE Director will monitor contractor's compliance. In the event that additional or other subcontracting awards become necessary during the course of the project, the MWBE Director will continue to assist in identification of prospective minority/ women subcontractors as appropriate.