

DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT Joseph J. Policay, Jr., CPWM, Acting Director

BOARD OF COUNTY COMMISSIONERS DATE:

October 1, 2024

KIMBERLY PALMIERI-MOUDED Chairwoman

FROM:

Ricardo S. Matias, PE, CME, CFM

LOURDES LEON

Vice-Chairwoman

TO:

All Potential Bidders

County Engineer

JAMES E. BAKER, JR.

CLARIFICATION 3

JOSEPH C. BODEK

RE:

Rehabilitation of the Trenton Avenue Bridge,

MICHÈLE S. DELISFORT

City of Elizabeth, County of Union, New Jersey

SERGIO GRANADOS

BA#55-2024; Union County Engineering Project #2021-001

BETTE JANE KOWALSKI

ALEXANDER MIRABELLA

REBECCA WILLIAMS

Please see the below comments and responses received for the above referenced project.

EDWARD T. OATMAN County Manager

AMY CRISP WAGNER Deputy County Manager

BRUCE H. BERGEN, ESO. County Counsel

JAMES E. PELLETTIERE Clerk of the Board

RICARDO S. MATIAS PE. CME. CFM County Engineer Director, Division of Engineering

Ouestion 1

Will the County allow a metalizing option in lieu of galvanizing for at least the long beams (83')? In order for us to get the long beams galvanized they would need to go to V&S Lebanon, PA. Anyone quoting this project will have to use them because they are the only one with a tank big enough to dip these beams. For us, that means shipping them all the way across PA, then bringing them back to our shop to recheck camber and paint them. If metalizing is allowed, we do that in house, and there is no need to re-check camber as there is almost no heat input involved in the coating process. It would also eliminate a lot of freight cost as well as man hours.

Please see the answer to question 4 in Clarification 2.

Ouestion 2

Could someone please tell me approximately when the Notice to Proceed will be given for the Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, BA #55-2024?

Answer 2

Typically the NTP is issued once the contract is awarded, contracts are executed and a preconstruction meeting is held.

DIVISION OF ENGINEERING



DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT Joseph J. Policay, Jr., CPWM, Acting Director

BOARD OF COUNTY COMMISSIONERS

KIMBERLY PALMIERI-MOUDED
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RICARDO S. MATIAS
PE, CME, CFM
County Engineer
Director, Division of Engineering

Question 3

Installation of new utilities on the bridge is the responsibility of the utility companies correct? Does the contractor have to provide access to the utility companies for installation of the new utilities?

Answer 3

Please see the answers to questions 1 and 2 in Clarification 2

Ouestion 4

Is this water way considered navigable and does access have to be

maintained for any type of boat traffic?

Answer 4

This section of the Elizabeth River is technically navigable. However boat traffic is minimal and the depth of water at low tide is only 2'-6" so maintaining boat traffic is not anticipated for the project's scope of work.

Ouestion 5

Is there a detail that can be provided for the date plaque as one did not seem to be present in the plan set?

Answer 5

Please see the attached detail

Question 6

Are only the abutments getting cut down or is part of the reconstruction to include the wing walls as well?

Answer 6

Only the abutments are being cut down.

Question 7

Specification page T14, mentions two Verizon communications conduits in the west bay that do not seem to appear on Contract Drawing 12, Super Structure Demolition are these conduits confirmed to be on the structure or are these the same as the two PSE&G conduits called out on Specification page T1?

Answer 7

Follow Spécification page T1 as page T14 is not accurate.

DIVISION OF ENGINEERING



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BOARD OF COUNTY COMMISSIONERS

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JAMES E. PELLETTIERE Clerk of the Board

Question 8

Confirming the rebar in the approach slab will follow NJDOT and is inclusive of the pay item and not already part of Pay Item 36. Is this rebar to be epoxy coated as well?

Answer 8

The reinforcement for the Concrete Approach Slabs will follow NJDOT Details and is not part of Pay Item 36. Reinforcement shall be epoxy coated.

Question 9

I am writing to request a time extension for the bid opening?

Answer 9

No extension will be provided for the bid opening.

RICARDO S. MATIAS PE, CME, CFM County Engineer Director, Division of Engineering



DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT Joseph J. Policay, Jr., CPWM, Acting Director

BOARD OF COUNTY COMMISSIONERS

DATE:

September 26, 2024

KIMBERLY PALMIERI-MOUDED Chairwoman

FROM:

Ricardo S. Matias, PE, CME, CFM

(P)

LOURDES LEON
Vice-Chairwoman

TO:

All Potential Bidders

County Engineer

JAMES E. BAKER, JR.

JOSEPH C. BODEK

RE:

MICHÈLE S. DELISFORT

CLARIFICATION 2

SERGIO GRANADOS

Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, County of Union, New Jersey

BETTE JANE KOWALSKI

BA#55-2024; Union County Engineering Project #2021-001

3

ALEXANDER MIRABELLA

REBECCA WILLIAMS

Please see the below comments and responses received for the above referenced project.

EDWARD T. OATMAN
County Manager

AMY CRISP WAGNER
Deputy County Manager

BRUCE H. BERGEN, ESQ. County Counsel

JAMES E. PELLETTIERE
Clerk of the Board

Question 1:

In reference to sheet number 13 of 18. Please confirm that the contractor is not responsible for providing any type of access whatsoever to the utility contractors. Specifically, the utility contractors responsible for installing the electric duct, telecommunication duct and the gas main inside the steel casing as shown in the plans.

Answer 1:

The bridge contractor shall coordinate as necessary with utilities to allow them to perform relocation of their facilities, per Sheet 12 Note 17; it is understood the utilities plan to construct their facilities in the approaches and push them across the bridge onto the structure-mounted rollers, which they will provide and the bridge contractor must coordinate with them to allow for attachment to the precast deck units. The utilities have been planning for their relocation work through coordination with the design team, and their contact information is provided on the plans title sheet. The contract duration reflects the required utility coordination and providing the utilities 15 total working days of unimpeded access onto the project site to perform their work.

RICARDO S. MATIAS PE, CME, CFM County Engineer Director, Division of Engineering

DIVISION OF ENGINEERING



DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT Joseph J. Policay, Jr., CPWM, Acting Director

BOARD OF COUNTY COMMISSIONERS

KIMBERLY PALMIERI-MOUDED Chairwoman

Lourdes Leon Vice-Chairwoman

JAMES E. BAKER, JR.

JOSEPH C. BODEK

MICHÈLE S. DELISFORT

SERGIO GRANADOS

BETTE JANE KOWALSKI

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Deputy County Manager

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JAMES E. PELLETTIERE Clerk of the Board

RICARDO S. MATIAS PE, CME, CFM County Engineer Director, Division of Engineering

Question 2:

Who is responsible for providing access to the companies that will install bridge utilities?

Answer 2:

The bridge contractor shall be responsible for providing access to utilities to allow them to perform relocation of their facilities, within the limits of work. Excavation quantity for trenching and limits for paving, curb, and sidewalk as shown on Sheet 5 reflect the limits of utility work.

Ouestion 3:

Please confirm under what item do we get paid for cofferdam excavation.

Answer 3:

Any excavation costs required for the cofferdam shall be included in the cost for Pay Item 35 Temporary Cofferdam.

Question 4:

Please confirm the coating system on this bridge. Steel Note #2 indicates galvanized A709-50W steel, yet "Painting Notes" indicates painted steel, system EU. In NJDOT specs, system EU indicates Epoxy/Urethane "...for over-coating *existing* structural steel". NJDOT Standard Spec sect 906.04.03.A indicates weathering steel to be painted at the ends adjacent to deck joints "With the exception of steel designated to be galvanized".

Answer 4:

The coating system shall be and Inorganic Zinc Coating System (IEU) of an inorganic zinc-rich primer, epoxy intermediate coat and a urethane finish coat in accordance with 2019 NJDOT Standard Specifications for Road and Bridge Construction Subsection 912.01.01 including all current Baseline Document Changes (BDC).

fax(908)789-3674



DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT Joseph J. Policay, Jr., CPWM, Acting Director

BOARD OF COUNTY COMMISSIONERS

DATE:

September 18, 2024

KIMBERLY PALMIERI-MOUDED Chairwoman

LOURDES LEON Vice-Chairwoman

FROM:

Ricardo S. Matias, PE, CME, CFM

County Engineer

JAMES E. BAKER, JR.

JOSEPH C. BODEK

TO:

All Potential Bidders

MICHÈLE S. DELISFORT

SERGIO GRANADOS

RE:

CLARIFICATION 1

Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, County of Union, New Jersey BETTE JANE KOWALSKI

BA#55-2024; Union County Engineering Project #2021-001

ALEXANDER MIRABELLA

REBECCA WILLIAMS

EDWARD T. OATMAN

County Manager AMY CRISP WAGNER

Deputy County Manager

BRUCE H. BERGEN, ESQ. County Counsel

JAMES E. PELLETTIERE Clerk of the Board

Please see the below comment and response received for the above referenced project.

Comment 1:

Please confirm if the NJDPMC Certificate is a requirement to be submitted with our bid.

Response 1:

RICARDO S. MATIAS PE, CME, CFM County Engineer Director, Division of Engineering

NJDPMC Classification codes were not included in the project advertisement. The Bid Document submission checklist notes "NJDPMC Certificate/Notice of Classification (if applicable)". It is not Applicable.

SPECIFICATIONS

FOR

Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, County of Union, New Jersey BA#55-2024; Union County Engineering Project #2021-001

August 2024

UNION COUNTY BOARD OF COUNTY COMMISSIONERS

Kimberly Palmieri-Mouded, Chairwoman Lourdes M. Leon, Vice Chairwoman James E. Baker, Jr., Commissioner Joseph C. Bodek, Commissioner Michele S. Delisfort, Commissioner Sergio Granados, Commissioner Bette Jane Kowalski, Commissioner Alexander Mirabella, Commissioner Rebecca Williams, Commissioner

CLERK OF THE BOARD

James E. Pellettiere, RMC

COUNTY MANAGER

Edward T. Oatman

DEPARTMENT OF ENGINEERING, PUBLIC WORKS AND FACILITIES MANAGEMENT

Joseph J. Policay, Jr., CPWM
Acting Director, Department of Engineering, Public Works and
Facilities Management

COUNTY ENGINEER DIVISION OF ENGINEERING

Ricardo Matias, PE, CME, CFM

Prepared by:

Remington & Vernick Engineers

Revised: 2020.02.19

COUNTY OF UNION NOTICE TO BIDDERS

Sealed bids will be received by the assistant director of the Division of Purchasing, or her designee, at the County of Union, New Jersey on October 2, 2024 at 10:30 a.m., prevailing time, in the 3rd Floor Conference Room, U.C. Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey for:

Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, County of Union, New Jersey BA#55-2024; Union County Engineering Project #2021-001

Bid Packages may be obtained at no charge by registering and downloading at http://ucnj.org/bid-specs. Bid Packages may also be obtained in person from the Division of Engineering at 2325 South Avenue, Scotch Plains, New Jersey 07076 between 8:30 a.m. and 4:00 p.m. weekdays upon payment of a non-refundable money order or bank check in the amount of \$275.00 made payable to the County of Union. No Personal / Company checks will be accepted. Requests for mailing of specifications will not be honored. For further information please call 908-789-3675.

The County reserves the right to reject any and all bids and to waive any and all informalities in the bid in accordance with the New Jersey Local Public Contracts Law.

An optional/recommended pre-bid meeting will be held on September 12, 2024 at 9:00 am at UC Eng Building, 2325 South Avenue, Scotch Plains; no late arrivals will be permitted.

Bids shall be submitted in a sealed envelope and clearly marked with the subject of the bid, name and address of the bidder, phone & fax number, and date of the bid opening. Each bid must be delivered to reach the Division of Purchasing prior to the stated time of the opening of the bids. The County will not be responsible for late delivery by the U.S. Mail or any other carrier. If hand delivered, please note that parking and security access at the County Complex may cause delays and bidders should take them into consideration in order to submit a timely bid. **No** late bids will be accepted.

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.

MICHELLE HAGOPIAN, ASSISTANT DIRECTOR OF PURCHASING

Union County Board of County Commissioners We're Connected to You!

NB-1

Rehabilitation of the Trenton Avenue Bridge, City of Elizabeth, County of Union, New Jersey BA#55-2024; Union County Engineering Project #2021-001

TABLE OF CONTENTS

NB-1: Notice to Bidders

GENERAL SPECIFICATIONS

Definitions

Section 1: BID FORM

Section 2: WITHDRAWAL OF BID DUE TO MISTAKE

Section 3: QUALIFICATIONS OF BIDDERS AND REQUIRED SUBMISSIONS

Section 4: INTERPRETATIONS AND ADDENDA

Section 5: OBLIGATION OF BIDDER TO INSPECT SITE AND CONTRACT DOCUMENTS

Section 6: BID AND PERFORMANCE GUARANTEE Section 7: COMMENCEMENT AND COMPLETION

Section 8: BIDDER AFFIDAVIT Section 9: LABOR AND MATERIALS

Section 10: INSURANCE REQUIREMENTS

Section 11: INDEMNIFICATION REQUIREMENTS

Section 12: ROYALTIES AND PATENTS Section 13: PLANS AND SPECIFICATIONS

Section 14: GUARANTEE AGAINST DEFECTIVE WORK

Section 15: TRAFFIC AND STREET MAINTENANCE

Section 16: CONTRACTOR'S EMPLOYEES

Section 17: OWNERSHIP DISCLOSURES REQUIRED

Section 18: NON-COLLUSION AFFIDAVIT

Section 19: EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCES

Section 20: COMPLIANCE WITH NEW JERSEY PREVAILING WAGE ACT

Section 21: BRAND NAME OR EQUAL

Section 22: LINES AND GRADES

Section 23: NUMBER OF WORKING DAYS

Section 24: PROMPT PAYMENT OF CONSTRUCTION CONTRACTS (NJ Prompt Payment Act)

Section 25: STOPPING WORK ON ACCOUNT OF BAD WEATHER

Section 26: ACCESS FOR OTHER CONTRACTORS Section 27: CONDEMNED MATERIALS AND WORK

Section 28: STORAGE

Section 29: FINAL CLEAN UP

Section 30: SUB-LETTING OF WORK

Section 31: SAFETY

Section 32: QUALITY, SAFETY AND PERFORMANCE STANDARDS Section 33: MATTERS NOT MENTIONED IN CONTRACT DOCUMENTS

Section 34: PERMITS

Section 35: CONTRACTOR TO PROVIDE PROOF OF PAYMENT

Section 36: CHANGE ORDERS

Section 37: SUPPLEMENTAL WORK Section 38: FORM OF CONTRACT

Section 39: PROGRESS PAYMENTS

Section 40: INSPECTION Section 41: DAMAGES

Section 42: LIQUIDATED DAMAGES

Section 43: AFFIRMATIVE ACTION REQUIREMENTS

Section 44: DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

TOC-1 Revised: 2024.01.22

GENERAL SPECIFICATIONS CONTINUED

Section 45: DISCLOSURE OF NON-INVOLVEMENT ACTIVITES IN RUSSIA OR BELARUS

Section 46: COMPLIANCE WITH THE PUBLIC WORKS CONTRACTOR REGISTRATION ACT

(N.J.S.A. 34:11-56.48 et. seq.)

Section 47: UTILITIES

Section 48: MATERIAL COMPLIANCE AND SHOP DRAWINGS

Section 49: PRECONSTRUCTION

Section 50: DISPUTES UNDER THE CONTRACT

Section 51: CONTRACTOR BUSINESS REGISTRATION CERTIFICATE

(New Mandatory Requirement – Effective 1/18/2010

Section 52: BID PROTEST - LEGAL FEES AND COSTS

Section 53: AMERICAN GOODS AND PRODUCTS WHERE POSSIBLE

Section 54: NEW JERSEY PAY-TO-PLAY REQUIREMENTS

Section 55: STATEMENT OF EQUIPMENT TO BE USED IN CONSTRUCTION

Section 56: NEW JERSEY SALES AND USE TAX REQUIREMENTS

Section 57: RESOLUTION No. 2014-408

Section 58: FEDERAL TERMS

BIDDING DOCUMENTS

Bid Document Submission Checklist

Bidding Documents

Bid Form

Consent of Surety

Bidder Signature Page

Bidder Disclosure Statement

Subcontractor Identification Statement: List of Subcontractors

Subcontractor Identification Certification

Acknowledgement of Addendum

Contractor Business Registration Certificate

Affirmative Action Requirement

Experience Statement

Certificate of Bidder Showing Ability to Perform Contract

Non-Collusion Affidavit

Contractor Registration Advisement

Americans with Disabilities Act

Statement of Bidder's Qualifications

Contractor Performance Record

Affidavit Regarding List of Disbarred, Suspended or Disqualified Bidders

Prior Negative Experience Questionnaire-Certification

Contractor's Certification of Compliance - New Jersey Prevailing Wage Act

Uncompleted Contracts Affidavit

Certificate of Insurance Statement

Collection of Use Tax on Sales to Local Governments Statement

Time of Completion

Disclosure of Investment Activities in Iran

Disclosure of Non-Involvement in Activities in Russia or Belarus

Federal Non-Debarment Certification

Byrd Anti-Lobbying Amendment Certification

Certification regarding lobbying

Disclosure of lobbying activities (LLL Form)

STANDARD SPECIFICATION FORM - SS-1

NEW JERSEY PREVAILING WAGE DETERMINATION DOCUMENTS

Revised: 2024.01.22

TOC-2

PROJECT TECHNICAL SPECIFICATIONS

APPENDIX 1 – STATE FUNDED PROJECT ATTACHMENTS

APPENDIX 2 – MICHIGAN DOT B-25 BRIDGE RAILING

TOC-3 Revised: 2024.01.22

UNION COUNTY BOARD OF COUNTY COMMISSIONERS INSTRUCTIONS TO BIDDERS AND FORMS

DEFINITIONS

Wherever reference is made to the County, Title of Project, Bidder, or Vendor/Contractor they shall be as follows:

OWNER/COUNTY:

Union County Board of County Commissioners UC Administration Building, 6th Floor 10 Elizabethtown Plaza Elizabeth, New Jersey 07207

ADDRESS INQUIRIES TO:

Union County Division of Purchasing UC Administration Building, 3rd Floor 10 Elizabethtown Plaza Elizabeth. NJ 07207

Attn: Michelle Hagopian, Assistant Director, Division of Purchasing

Telephone: 908-527-4130 Facsimile: 908-558-2548

ucbids@ucnj.org

ADDRESS BIDS AND SUBMIT TO:

Union County Division of Purchasing UC Administration Building, 3rd Floor 10 Elizabethtown Plaza Elizabeth, NJ 07207

Attn: Michelle Hagopian, Assistant Director, Division of Purchasing

Telephone: 908-527-4130 Facsimile: 908-558-2548

ucbids@ucnj.org

TITLE OF PROJECT: Rehabilitation of the Trenton Avenue Bridge,

City of Elizabeth, County of Union, New Jersey

BA#55-2024; Union County Engineering Project #2021-001

BIDDER: Bidder shall be a single overall contract bidder

ENGINEER: Remington & Vernick Engineers

COUNTY ENGINEER AND/OR CONSTRUCTION MANAGER (as applicable):

COUNTY ENGINEER:

Ricardo S. Matias, PE, CME, CFM Union County Division of Engineering

GENERAL SPECIFICATIONS

1. BID FORM

Bids for this Work will be enclosed in a sealed envelope addressed to the Purchasing Division, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207, with the full name of the Project clearly marked on the outside. Refer to the sheet marked "Notice of Bid (Advertisement)" for the correct name of the Project. Bidders must submit their bids on the attached pricing sheet (Bid Form), in a sealed envelope addressed to the County and bearing on the outside: the name of the Bidder, Bidder's business address, and the title of the Project.

The Division of Purchasing will receive the bids for this Work at the Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey on the date and time noted on the sheet marked "**Notice of Bid (Advertisement)**".

The County will not assume responsibility for bids forwarded by mail. It is the individual's responsibility to see that the bids are presented to the Purchasing Division at the time and at the place designated.

Bids will be accepted only on the Bid Form supplied. Bids on forms other than the original supplied herein will be rejected. The "complete" Bid Documents includes the Bid Bond, Bid Form, Bidder's Checklist, Consent of Surety, Ownership Disclosure Certification, Non-Collusion Affidavit, and any other documents noted in these Instructions to Bidders or Contract Document to be submitted with this Bid.

The bidder will state in the bidding sheet the price per unit of measure for each scheduled Item of Work for which he will agree to carry out the Work, and the Total Bid Price for the construction of the Project.

The prices in the Bid Form shall be typed or written in pen and ink. Erasures or alterations must be initialed by the bidder in ink.

The bidding sheet for this Project may include a fixed amount as a Bid Allowance. If applicable, all bidders are required to add this fixed amount to their base bid and to include this additional amount in their Bid Bond. This sum will be included in the Contract as well as the performance, labor and materials bond. Payment by the County will be made to the Contractor from these funds only upon the completion of extra Work pursuant to a written Change Order(s) signed by the County's Engineer or his designee and the Contractor, prior to the commencement of such Work. Work commenced prior to written approval by the County shall be done at Contactor's risk. Such payment will only be in the amount agreed to by the parties, in writing in the Change Order(s). See Section 37, Change Orders, of these general specifications for further details.

Refer to Bid Document Submission Checklist for all required documents.

In the event there is a discrepancy between the unit price given and the extended total, the unit price will govern. Any discrepancies will be mathematically adjusted.

Insert applicable alternates, if any have been specified, applicable to the Bidder's Work. All alternates MUST be bid upon. Any Bidder's failure to do so will be deemed a material, non-waivable defect and shall render the bid nonresponsive. The Bidder shall clearly designate whether the change in price is an addition or subtraction, by using either a "+" sign or the word "addition", or in the alternative, a "-"sign or the word "minus". If there is no other change in price, the Bidder shall insert "NC" or "No Charge".

When two or more low bids are equal in all respects, awards will be made according to the provisions of N.J.S.A. 40A:11-6.1(d).

Where unit prices have already been established by the Contract Documents, the Bidder agrees that such unit prices shall prevail. All unit prices, whether filled in by the Bidder or established by the Contract Documents, shall become part of the Contract. No bid will be considered or award made, unless applicable unit prices, as required, are filled in.

The County reserves the right to reject any or all bids and also reserves the right to waive any minor informalities or non-material exceptions in the bids.

The County of Union has the right to reject any and all bids from any bidder that is in, or contemplates bankruptcy of any chapter of nature. Said bidder shall notify the County, in writing, of any condition or knowledge of the same.

Conditional bids will not be accepted. Bids may be withdrawn prior to the advertised time for the opening of bids or authorized postponement thereof or in accordance with the provisions of N.J.S.A. 40A:11-23.3 discussed below. Bids received after the advertised time shall not be considered. Bidders shall be solely responsible for premature opening or late delivery of bids not properly marked, addressed, or directed.

2. WITHDRAWAL OF BID DUE TO MISTAKE

N.J.S.A. 40A:11-23.3 authorizes a bidder to request withdrawal of a public works 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 Michele Hagopian, Assistant Director, Division of Purchasing, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207. The

G-3

bidder must request withdrawal of a bid due to a mistake, as defined by the 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, Michele Hagopian, Assistant Director of the Division of Purchasing or his designee 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 County's designated staff pursuant to the statutory criteria of N.J.S.A. 40A:11-23.3.

The County 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 a 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.

3. QUALIFICATIONS OF BIDDERS AND REQUIRED SUBMISSIONS

The County may make such investigation as it deems necessary to determine the ability of the Bidders to perform the Work, which includes investigation of any and all subcontractors listed with the bid. The Bidder shall furnish any information and data for this purpose as the County may request.

4. INTERPRETATIONS AND ADDENDA

Any explanation desired by a bidder regarding the meaning or interpretation of the Contract Documents must be requested in writing to the Assistant Director, Division of Purchasing at ucbids@ucnj.org with reasonable time allowed for a reply to reach bidders before submission of their bids. Any interpretation or instruction made by the County Engineer will be in the form of an addendum to the Contract Documents or clarification and will be furnished to all prospective bidders. Oral explanations or instructions given before the award of the Contract will not be binding. Bidders are required to bring to the attention of the Assistant Director, Division of Purchasing at ucbids@ucnj.org, the discovery of any apparent ambiguity, inconsistency, error, discrepancy, omission in the Contract Documents for interpretation and correction at least ten (10) working days before opening of bids with the exception of Saturdays, Sundays and holidays.

All Addenda issued through the Office of the Division of Purchasing are amendments to the Contract Documents and shall be considered in preparing bids. Same shall become part of the Contract Documents.

G-4 Revised: 2024.01.22 Addenda take precedence over all earlier documents and over each other according to the latest date. Addenda unless themselves interpretive remain subject to interpretation the same as any other document incorporated in the Contract.

Addenda may be issued by the Assistant Director, Division of Purchasing up to seven (7) working days prior to the opening of bids. Failure of any bidder to receive an addendum shall not relieve such bidder from the obligation imposed by such addendum. Bidders are to keep themselves currently acquainted with the Contract Documents during the entire bidding period and make inquiry on their own initiative as to issuance of any Addenda. Receipts of all Addenda shall be acknowledged on the "Acknowledgement of Receipt of Changes" included in the bid package and must be submitted with the bid.

5. OBLIGATION OF BIDDER TO INSPECT SITE AND CONTRACT DOCUMENTS

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

The Bidder shall examine the contents of the Project Manual and the set of Drawings and assure itself that all pages of the Specifications, Drawings, and other Contract Documents are included in the documents obtained for bidding purposes. Should the Specifications, Drawings, and other Contract Documents be incomplete, the Bidder shall notify the County Engineer in writing, who will supply the Bidder with any missing pages of Specifications, Drawings, or other Contract Documents. The lack of such written notification by the Bidder will be construed as evidence that the Specifications, Drawings, or other Contract Documents supplied it for bidding purposes are full and complete and as a waiver of any subsequent claim to the contrary.

6. BID AND PERFORMANCE GUARANTEE

Each bidder must furnish a Bid Bond, Certified Check or Bank Cashier's Check in the amount of ten percent (10%) of the Bid. Checks shall be drawn to the order of the County of Union, New Jersey, not to exceed \$20,000.

Each bidder must furnish with the bid a certificate from a Surety Company, i.e. Consent of Surety, stating that in the event of the contract being awarded to said bidder, such Surety Company will provide the Contractor with bonds guaranteeing the faithful performance of the Work in accordance with the plans and specifications, and the payment for labor, materials, and all other indebtedness which may accrue on the account

G-5 vised: 2024 of this Work. A Performance, Labor and Materials Bond will be furnished by the Contractor upon an award of Contract, and will be in the amount of 100% of the contract price.

A one-year Maintenance Bond will be required upon acceptance of the Project by the County in the amount as stated in Section 15 of the General Specifications. Bonds will be written by a firm authorized to issue the bonds under the laws of the State of New Jersey and be in a form acceptable to the County Counsel.

N.J.S.A. 40A:11-1 *et seq.* allows the prime Contractor to furnish the Performance Security for his Subcontractors. The County of Union requires Performance Security to be furnished by the prime contractor for the entire job in the total amount of the contract.

The County will return all certified checks or cashier's checks after the proposals have been opened, tabulated and reviewed except those of the three (3) bidders lowest responsible bidders. The County will return the checks of these bidders when a contract is awarded to the successful bidder within ten (10) days after the award of the contract.

If the successful bidder refuses or neglects to sign an agreement and furnish the required bonds, the Bid Bond will be held and used by the County to offset any damages for such refusal or neglect.

7. COMMENCEMENT AND COMPLETION

Work will not commence until a Notice to Proceed is received from the County Engineer.

Upon substantial completion of the Project, the Contractor must request a joint inspection with the County Engineer. Upon completion of this inspection, the County Engineer will prepare a list of incomplete or incorrect items (punch list) and have Contractor initial and date same. The Contractor shall rectify all deficiencies noted on the punch list within 30 calendar days of receipt of the list. The County Engineer may approve extensions for extenuating circumstances.

8. BIDDER AFFIDAVIT

All Bidders are required to complete, sign, and submit with their Bid, the attached "Affidavit Regarding List of Debarred, Suspended or Disqualified Bidders". (See form enclosed)

9. LABOR AND MATERIALS

The prices will cover all costs of any nature incident to and growing out of the Work, including all labor, material, equipment, transportation, loss by damage or destruction of the Project, settlement of damages, and for replacement of defective work or materials.

G-6 Revised: 2024.01.22 N.J.S.A. 54:32B-1 et seg. exempts all materials sold to the County of Union from sales or use taxes and should not be included in the prices provided on the Bidding Sheet.

10. INSURANCE REQUIREMENTS

The County of Union requires all contractors to be able to comply with the following insurance requirements. In the event a bid is accepted by the County, the contractor must accept the applicable insurance requirements, as set forth below, as part of any contract awarded to it by the County.

Contractor shall carry and maintain at all times while the contract is in full force and effect, the following insurance coverage with an insurance company or companies acceptable to the County, with limits not less than those shown below. A Certificate of Insurance shall be filed with the County prior to commencement of any Work indicating the following:

- a) Commercial General Liability (CGL): Coverage for all operations including, but not limited to, contractual, products and completed operations, and personal injury with limits no less than \$5,000,000 per occurrence/\$10,000,000 aggregate. The County of Union, its Board of County Commissioners, officers, employees, agents and servants shall be included as an additional insured. Coverage is provided on a primary and non-contributory basis to the County of Union, et al.
- b) Automobile Liability: Coverage for all owned, non-owned and hired vehicles with limits not less than \$5,000,000 per occurrence, combined single limits (CSL) or its equivalent.
- c) Workers Compensation: As required by the State of New Jersey and Employers Liability with limits not less than \$1,000,000 per accident for bodily injury or disease.
- d) Professional Liability (if design/build): Coverage with limits not less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate
- e) Contractor's Pollution Legal Liability and/or Asbestos Legal Liability and/or Errors & Omissions (if project involves environmental hazards): Coverage with limits no less than \$1,000,000 per occurrence or claim/\$2,000,000 aggregate.
- f) Builders Risk (for major renovations): During the course of construction utilizing an "All Risk" coverage form with limits equal to the completed value of the project and no coinsurance penalty provisions.

Where applicable, a waiver of subrogation in favor of the County of Union, its Board of County Commissioners, officers, employees, agents, servants and the State of New Jersey is to be included in those policies of insurance where permitted by law.

G-7

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Entity.

Special Risks or Circumstances: The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

11. INDEMNIFICATION REQUIREMENTS

The County of Union requires all bidders to accept the following indemnification requirements in the event the County accepts their bid. The Contract awarded by the County to the successful bidder will contain the following provision:

"To the fullest extent permitted by law the Contractor shall indemnify, defend, and hold harmless the owner and the owner's consultants, agents, representatives, and employees from and against any and all claims, damages, losses, costs, and expenses, including, but not limited to attorneys' fees, legal costs and legal expenses arising out of or resulting from the performance of the Contractor's work under this contract, provided that such claim, damage, loss, cost, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) caused or alleged to be caused by the negligent acts, negligent omissions, and/or fault of the Contractor, anyone directly or indirectly employed or retained by the Contractor, or anyone for whose acts the Contractor may be liable regardless of whether caused in part by the negligent act or omission of a party indemnified hereunder provided it is not caused by the sole negligence of a party indemnified hereunder. Contractor shall further indemnify and hold harmless the County and the County's consultants, agents, representative, and employees from and against any and all claims, damages, losses, costs, and expenses, including, but not limited to attorneys' fees, legal costs and legal expenses, arising out of or resulting from performance of the work, provided that such claim, damage, loss, cost, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) caused or alleged to be caused by the negligent acts, negligent omissions, and/or fault of the County or the County's consultants, agents, representatives, or employees and arises out of this project and provided such claim, damage, loss, cost, or expense is not caused by the sole negligence of a party indemnified hereunder."

12. ROYALTIES AND PATENTS

Revised: 2024.01.22

The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall hold the County harmless from loss on account thereof.

13. PLANS AND SPECIFICATIONS

In carrying out the Work, the plan(s) and the specifications will be followed by the Contractor. Minor alterations in the plan may be made or permitted by the County Engineer from time to time and, if no additional Work is necessary, there will be no additional charge for carrying out such minor alterations.

The Contractor shall provide the County Engineer a set of reproducible as-built drawings upon completion of the Project. The Contractor shall maintain an updated construction progress plan in the Project field office at all times.

When applicable, The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction, as amended, and Supplemental Specifications for State Aid Projects, herein after referred to as the "Standard Specifications", are made a part of these specifications and contract for the improvements, and will govern the construction of this Project, the material used and the execution of this Project, except as revised and modified herein. The references to these specifications are given herein for the purpose of aiding in the rapid location of the description of the various items herein specified. The entire Work must be carried on and completed to the satisfaction of the County. The Standard Specifications are amended as follows:

"Any reference to the Commissioner, Department, Department Laboratory, Engineer or Inspector should be redefined to be the County of Union".

14. GUARANTEE AGAINST DEFECTIVE WORK

Prior to final payment being made or before the release of the performance security required by Section 3 above, the Contractor and Surety shall execute and deliver to the County an original Maintenance Bond with an original signature and seal having a penal sum equal to:

- A) One hundred percent (100%) of the final adjusted Contract amount, if such amount is \$50,000.00 or less:
- B) Fifty percent (50%) of the final adjusted Contract amount, if such amount be greater than \$50,000.00 but less than \$250,000.00; and,
- C) Twenty-five percent (25%) of the final adjusted contract amount, if such amount is \$250,000.00 or more.

The Bond and Surety shall be satisfactory to the Union County Counsel. The Surety shall hold a Certificate of Authorization to do business in the State of New Jersey and shall conform to P.L. 1995 c.384, codified as N.J.S.A. 2A:44-143, 144. The Surety Disclosure Statement and Certification required by N.J.S.A. 2A: 44-143, 144, shall be attached to the Bond. Such Maintenance Bond shall remain in full force and effect for a period of one (1) year from the date of Final Completion. Such Maintenance Bond shall also provide that the Contractor and the Surety guarantee to replace for the said period of one (1) year from the date of Final Completion, all Work performed and/or all materials furnished that were not performed or were not furnished in accordance to the terms and performance requirements of the Contract Documents, and will make good any defects thereof which become apparent before the expiration of one (1) year. If, during that period, any part of the Project, in the judgment of the Engineer, is found defective, the Contractor will repair or replace same within five (5) days of receipt of notice from the County Engineer. If the Contractor refuses or neglects to do such Work in the time specified, the County Engineer may have the Work done by others and the Contractor or his Surety thereof will pay the cost.

The Contractor will furnish the County a Maintenance Bond for a percentage of the final adjusted contract price, as stated above. The one (1) year period will start the day of Final Completion of Project by the County. Final payment is conditional on the receipt of a maintenance bond in a form acceptable to County Counsel.

15. TRAFFIC AND STREET MAINTENANCE

The Work must be started and performed by the Contractor in such a manner as to minimize delays to the traveling public. It must be completed in a timely fashion, with little or no inconvenience to traffic and pedestrians, where such inconvenience may be avoided.

All municipal, county, and state roadways shall remain open to traffic unless otherwise provided for in the technical specifications.

If modified traffic patterns are authorized in order to provide a safe working or traveling environment, the Contractor is responsible for providing all equipment, barrels, cones, signs, and barricades to implement the work zone and detours, unless otherwise specified in the technical specifications. All work zones and detours shall be established in accordance with the technical plans and specifications if provided or in strict compliance with the current version of the Manual for Uniform Traffic Control Devices (MUTCD). The Contractor shall obtain approval for these work zones and detour plans from the Municipal Police or applicable police agency and the Union County Bureau of Traffic Maintenance prior to implementation.

All traffic control plans shall provide for safe movement of vehicular, bicycle, and pedestrian traffic. Particular attention shall be given to requirements of the Americans with Disabilities Act.

No portion of any street or alleyway may be used for the storage of any materials or equipment without the approval of the Municipal Police or other applicable police agency. Sidewalks, gutters, drains, fire hydrants and private drives shall be maintained for their intended use unless specifically approved by the County Engineer.

Upon suspension of Work, at the end of the day or for protracted periods, the Contractor shall remove all rubbish and materials from the Work site to the approved storage/staging location. All road cuts, saw cuts, and trenches that may pose hazard to vehicular, pedestrian, or bicycle traffic, to include handicapped users, shall be filled to the surface of the roadway or sidewalk. At no time will steel plates or settled trenches be allowed at the daily suspension of Work, unless specifically approved by the County Engineer.

Use of Traffic Control Officers shall be determined by the County in accordance with the provisions of N.J.S.A. 40A:11-23.1(c). If applicable to the Project, the County shall have provided an allowance for same as set forth in the Bid Form.

With respect to pedestrian traffic, the Contractor shall install signs restricting access of the general public and, as necessary, Union County employees to the area of construction. The Contractor shall provide safe access to required areas and place physical barriers to restricted areas. These barriers may range from caution tape to actual barriers, at the direction of the County Engineer.

16. CONTRACTOR'S EMPLOYEES

The Contractor must employ only suitable and competent labor in the Work, and must remove from the Work any incompetent, unsuitable, or disorderly person upon complaint from the County Engineer.

The parties to any contract resulting from this proposal do hereby agree that the provisions of N.J.S.A. 10:2-1 through 10:2-4 (discrimination in employment on public works contracts): 34:11-56.25 et seq. (payment of prevailing rate of wages determined pursuant to N.J.S.A. 34:11-56.30 by the Commissioner), and the Rules and Regulations promulgated pursuant thereto, are hereby made a part of any contract and are binding upon them.

There will be no discrimination against any employee who is employed in the Work to be covered by any contract resulting from this bid because of age, race, creed, color, national origin, ancestry, marital status or sex.

Any person, firm, or corporation violating the provisions of this Section will be deemed and judged a disorderly person.

17. OWNERSHIP DISCLOSURES REQUIRED

Pursuant to P.L. 2016, c. 43, codified as N.J.S.A. 52:25-24.2.no corporation, partnership, or limited liability company shall be awarded any contract nor shall any agreement be entered into for the performance of any work or the furnishing of any materials or supplies the County unless prior to the receipt of the bid or accompanying the bid, of said corporation, said partnership, or said limited liability company there is submitted a statement setting forth the names and addresses of all stockholders in the corporation 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, or of all members in the limited liability company who own a ten percent (10%) or greater interest therein, as the case may be. If one or more such stockholder or partner or member is itself a corporation or partnership or limited liability company, the stockholders holding ten percent (10%) or more of that corporation's stock, or the individual partners owning ten percent (10%) or greater interest in that partnership, or the members owning ten percent (10%) or greater interest in that limited liability company, as the case may be, shall also be listed. The disclosure shall be continued until names and addresses of every non corporate stockholder, and individual partner, and member, exceeding the ten percent (10%) ownership criteria has been listed.

To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a ten percent (10%) or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission ("SEC") or the foreign equivalent, and, if there is any person that holds a ten percent (10%) or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the federal SEC or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a ten percent (10%) or greater beneficial interest.

(See forms attached)

18. NON-COLLUSION AFFIDAVIT

The Bidder shall submit with its bid either the attached completed "Non-Collusion Affidavit" or a statement of non-collusion with verbiage similar to same.

19. EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCES

G-12 Revised: 2024.01.22 The successful bidder shall be required to complete and submit an Initial Project Workforce Report, New Jersey Department of Treasury Form AA-201, upon notification of award. Failure to submit this completed form may result in the Contract being terminated.

The successful bidder shall also be required to submit a copy of its Monthly Project Workforce Report, New Jersey Department of Treasury Form AA-202, to the New Jersey Department of Treasury's Division of Public Contracts Equal Employment Opportunity Compliance and to the Board.

20. COMPLIANCE WITH NEW JERSEY PREVAILING WAGE ACT

The County of Union, in order to fulfill the requirements of N.J.S.A. 34:11-56.25 et seq, requires that the following additional conditions be strictly followed. The bidders represent that he is not listed or is not on record in the Office of the Commissioner or the Department of Labor and Workforce Development as one who failed to pay prevailing wages in accordance with the provisions of this Act. The bidder agrees to the inclusion of a contract provision upon award which specifically requires said Contractor to fully comply with each and all of the requirements of the aforesaid Act as it relates to prevailing rates of wages on public contracts as set forth in the New Jersey Prevailing Wage Act, P.L. 1963, Chapter 150 and P.L. 1974, Chapter 64.

A Copy of the Prevailing Wage Rates is attached for your reference. Applicable rates are those wages and fringe benefit rates in effect on the date the contract is awarded. All predetermined rate increases listed at the time the contract award must also be paid, beginning on the dates specified. Rates may change between the time of issuance of this determination and the award of the public works contract. Therefore, prior to the award of the contract, verification must be made with the Public Contracts section, to insure that the rates contained in this determination are still prevailing.

The Contractor agrees to abide and be bound by each and all of the said statutory provisions with respect to the payment of prevailing rates of wages, and acknowledges that the County reserves the right to terminate the Contractor's (or his subcontractors') right to proceed with the scope of Work, or such portion thereof that relates to the failure to pay prevailing rates of wages. In such event or under the terms of N.J.S.A. 34:11-56.27, the Contractor and his surety will be liable to the County of Union for any excess costs occasioned by such a violation.

The Contractor or subcontractors for this Project will post the Prevailing Wage Rates for each craft and classification involved as determined by the Commissioner of Labor and Industry, including the effective date of any changes thereof, in prominent and easily accessible places at the site of the Work or at such place or places as are used by them to pay workmen their wages.

G-13 Revised: 2024.01.22 The County of Union requires a copy of payroll records from the Contractor and subcontractors. Payroll records shall be submitted with each voucher request for payment. Prevailing wage rates may be obtained from the New Jersey Labor, Division of Workplace Standards, Public Contracts Section, (609-292-2259).

In addition to compliance with the New Jersey Prevailing Wage Act, the County requires compliance with procedures established by Resolution No. 2014-0408 adopted by the Union County Board of County Commissioners on May 8, 2014. The resolution is furnished in Section 56 of these General Specifications.

UNION LABOR IS PREFERRED ON ALL COUNTY WORK

The foregoing reference to specific laws will not be deemed to be a limitation of obligation of the Contractor to perform his obligations in full compliance with the provisions and requirements of all federal and state statues and local ordinances applicable to the Work to be done under the contract.

It is agreed and understood that any contracts and/or orders placed as a result of this proposal will be governed and construed and the rights and obligations of the parties hereto will be determined in accordance with the laws of the State of New Jersey.

Upon completion of the Work, the Contractor will furnish a Certification of Compliance with the New Jersey Prevailing Wage Act. The certificate in a form acceptable to County Counsel is a condition of the final payment. (See form attached)

21. BRAND NAME OR EQUAL

When the Specifications, Forms, and other Contract Documents use "brand name or equivalent" or similar language, the listed brand name shall serve as a reference or point of comparison for the functional or operational characteristic desired for the goods or services being requested. Where a bidder attempts to submit an equivalent product for a brand name, it shall be the responsibility of the bidder to fully describe and document the product to be provided with the bid in order to establish the equivalence claim.

- A. If the Bidder proposes to offer substitute goods as an equal to those specified herein, the bidder shall so indicate with the Bid Proposal. For the purposes of this paragraph, a proposed item shall be considered equal to goods specified herein if:
 - 1. The County, in its sole discretion, determines that: (i) the goods conform substantially, even with deviations, to the brand name goods specified herein; (ii) the goods are

G-14 Revised: 2024.01.22 equal to or greater than the brand name goods specified herein in terms of quality, durability, functionality, appearance, strength and design; (iii) the goods are capable, at least as well as the brand name goods specified herein, or performing with existing equipment; and (iv) the goods do not cost the County more than the brand name goods specified herein costs the County.

- B. To offer substitute goods as an equal to those specified herein, it is necessary that:
 - The Bidder submits sufficient information with its bid to permit the County to determine that the goods are equivalent to the brand name goods specified herein, including, but not necessarily limited to the brand, catalog number and specifications/data sheets;
 - The Bidder fully identifies and describes the variations of the goods from the brand name goods specified herein on a separate sheet that is to be submitted with the bid proposal. Bidder's literature WILL NOT suffice in explaining exceptions to these specifications.
 - 3. The Bidder certifies that the goods (i) are similar in substance to the brand name goods specified, and (ii) are suited to the same use as the item specified;
- C. The County shall be allowed a reasonable time within which to evaluate the Bidder's proposal to offer substitute goods as an equal to those specified herein. The County shall be the sole judge of acceptability. No "or-equal" goods shall be ordered, delivered, assembled, set-up or utilized until the County's evaluation is complete. The County's determination as to equivalency shall be deemed final and absolute.

In the event the Bidder does not provide sufficient supporting documentation with the bid, it will be presumed and required that the brand name goods and services as described in the specifications will be provided.

22. LINES AND GRADES

G-15 Revised: 2024.01.22 Normally, horizontal and vertical control points will be provided in the technical specifications. All other surveying will be the responsibility of the Contractor unless otherwise noted.

23. NUMBER OF WORKING DAYS

In accordance with N.J.S.A. 40A:11-17, the Work for the within Project shall be completed as specified on the Time of Completion Form. See form attached

There shall be taken a deduction from the contract price, or any wages paid by the County, to any inspector(s) necessarily employed by it on the Work, for any number of days in excess of the number allowed in the specifications.

24. PROMPT PAYMENT OF CONSTRUCTION CONTRACTS (NJ Prompt Payment Act)

Pursuant to N.J.S.A. 2A:30A-1 et seq., payment to the Contractor, other than for Work done pursuant to a contact allowance, where applicable, shall be processed and paid as follows:

- 1. All contractor bills shall be either approved for payment, or notice provided as to why the bill or any portion of it will not be approved by the representative(s) of the governing body no later than the public meeting following 20 calendar days of the billing date as defined in the statute.
- 2. If the billing is approved, said bill shall be paid in the payment cycle following the meeting.

25. STOPPING WORK ON ACCOUNT OF BAD WEATHER

Work must only be performed in weather suitable for the type of construction planned or underway. Extremes in temperature, humidity, precipitation, evaporation, etc. can detrimentally affect the constructed product. Refer to the Standard and Technical Specifications for specific items.

26. ACCESS FOR OTHER CONTRACTORS

The Contractor for this Work will give proper access to other contractors who may be employed upon the Project and must not hinder or delay unnecessarily any Work that may be progressing under other contracts.

27. CONDEMNED MATERIALS AND WORK

G-16 Revised: 2024.01.22 Any materials and or part of the Work that may be condemned by the County Engineer will be removed and replaced by the Contractor or otherwise rectified, as may be directed by the County Engineer. No payment will be made upon the Work until such faulty work has been made good as may be directed. In the event the Contractor refuses or neglects to make good such faulty work, he will be deemed to have abandoned the contract and proceedings may be taken against him as provided herein.

28. STORAGE

In the event that it is necessary for the Contractor to stockpile or store materials or equipment on the job site, the Contractor shall inform the County of such necessity and the County may offer available space, if any, for storage of such materials or equipment. The Contractor shall use said space only for such purpose. Any and all materials which may be stored in such space or which may be brought onto the job site at any time by the Contractor will be at the Contractor's sole risk. The County will not be responsible for loss of or damage to said materials or equipment for any cause whatsoever. The Contractor shall take necessary measures to protect any such storage area and shall be responsible for any and all damages.

29. FINAL CLEAN UP

Upon completion of the Work, the Contractor will remove all equipment, unused materials, rubbish, etc., and will repair, or replace in an a manner acceptable to the County Engineer, all areas that may have been damaged in the prosecution of the Work. Same shall be a condition precedent to final payment. Should said Contractor fail to comply with this requirement, the County shall undertake the clean-up with its own forces and charge the cost of same against the Contractor's contract balance.

30. SUB-LETTING OF WORK

Except for the List of Subcontractors, pursuant to N.J.S.A. 40A:11-16 (See form attached), no portion of the Work will be sublet by the Contractor to any other entities, except with the consent of the County Engineer. A complete list of subcontractors must be submitted to the County Engineer at the preconstruction meeting. If the job does not warrant a preconstruction meeting, the Contractor must submit such list prior to the start of Work.

All Subcontractors will be subject to N.J.S.A. 34:11-56 et al.

N.J.S.A. 40A:11-16 requires the bidder to list in the bid sheets the name or names of all subcontractors involved in the following types of Work: plumbing and gas fitting and all kindred work, steam and hot water heating, ventilating apparatus, steam power plants and kindred work, electrical work, ornamental iron work, and structural steel. In addition,

G-17 Revised: 2024.01.22 the County may require the identification of specific additional subcontractors. If these trades are expected to be part of the contract, such subcontractors should be listed on the "Subcontractor Identification Statement List of Subcontractors" and Bidder shall certify same on the accompanying sheet titled "Subcontractor Identification Certification". (See forms attached) **Bidder's failure to submit these two forms shall be considered a material defect and result in rejection of Bidder's bid.** Substitutions of any listed subcontractors pursuant to N.J.S.A. 40A:11-16 will not be permitted except with the consent of the County Engineer.

31. SAFETY

The Contractor shall observe all rules and regulations of the Federal, State, and local health officials. 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 that are unsanitary, hazardous, or dangerous to the worker's health or safety.

The Contractor shall admit to the site, without delay and without the presentation of an inspection warrant, any inspector of OSHA or other legally responsible agency involved in safety and health administration upon presentation of proper credentials.

The Contractor shall make available to the Contractor's employees, subcontractors, the County Engineer, and the public, all information pursuant to OSHA 29 CFR Part 1926.59 of The Hazard Communication Standard 29 CFR 1910.1200, and shall also maintain a file on each job site containing all Material Safety Data Sheets (MSDS) for products in use at the Project. These Material Safety Data Sheets shall be made available to the Engineer upon request.

The Contractor shall at all times conduct the Work to provide for the safety and convenience of the general public and protection of persons and property. The safety provisions of applicable laws, OSHA regulations, building and construction codes, and the rules and regulations of the New Jersey Department of Labor and Workforce Development shall be observed.

32. QUALITY, SAFETY AND PERFORMANCE STANDARDS

All goods and services must be constructed and provided with the highest quality materials and workmanship. It is the intent of these specifications that only equipment equal to, or exceeding, the standard specified will be acceptable in order to protect the safety of the occupants of the Building.

33. MATTERS NOT MENTIONED IN CONTRACT DOCUMENTS

Any Work, material, or method, not specifically described in these specifications, but shown upon the plans of the Work, will be carried out as shown on said plan.

34. PERMITS

G-18 Revised: 2024.01.22 The Contractor will obtain all necessary permits required by law and provide the County with necessary approvals prior to commencement of permitted Work.

35. CONTRACTOR TO PROVIDE PROOF OF PAYMENT

Upon the completion of the Work, the Contractor will furnish a General Release as proof that all claims for labor, materials, etc., have been settled by the Contractor. The General Release, in a form acceptable to County Counsel, is a condition of final payment.

36. CHANGE ORDERS

The applicability of change orders and change order procedures shall comply with *N.J.S.A.* 40A:11-16.7 and *N.J.A.C.* 5:30-11.1 *et seq.*, "Change Orders and Open End Contracts".

37. SUPPLEMENTAL WORK

In case any supplemental work is necessary, it will be performed by the Contractor at a price fixed by agreement between the Contractor and the County Engineer and approved by the County as specified in Section 36. The Contractor will do no supplemental work on any character, for which the Contractor will demand pay, except upon the written order of the County.

38. FORM OF CONTRACT

The Contract will be subject to all statutory provisions on the matter of Public Works, Public Contracts, The Law Against Discrimination, the Laws Governing Affirmative Action and Prevailing Rates of Wages under the laws of New Jersey.

The Agreements shall be executed by both parties not later than twenty-one (21) days from the date of the award by the County (Sundays and holidays excluded); however, such time frame may be extended by agreement of the parties.

39. PROGRESS PAYMENTS

Monthly progress payments will be made based on the value of labor and materials incorporated in the Work and of materials suitably stored at the site. An itemized schedule of values shall be submitted with each Application for Payment.

G-19 Revised: 2024.01.22 (Refer to the Owner/Contractor Agreement for Retainage and other conditions pertaining to payment and the application of N.J.S.A. 2A:30A-1 et seq.)

All Applications for Payment shall be accompanied by paid invoices for materials incorporated in the Work and for materials suitably stored at the site, and affidavit(s) by Subcontractors whose Work was included in the next to the last application to the effect such Work and such materials have been paid for.

No payment shall be made without Contractor having provided all submittals set forth in this Section, and the approval of same by the County.

For contracts exceeding \$100,000.00, monthly payments will be made on the Work to the extent of 98% of the value of the Work done which is considered to be retainage.

For contracts less than \$100,000.00, monthly payments will be on the Work to the extent of 90% of the value of the Work done. In lieu of the retainage, the Contractor will, at his option, deposit with the County Counsel negotiable bearer bonds of the State of New Jersey or any political subdivision thereof, equal to the amount otherwise withheld as retainage.

When the Project is completed, the final cost of the Project will be based on actual quantities of authorized Work done under each item scheduled in the bidding sheet and approved Change Orders, if any. The money due to the Contractor as determined by said final certificate after deduction of previous monthly payments on account, will be paid to the Contractor in accordance with the terms of the contract dealing with Prompt Payment, providing, however that before such final payment is made, all outstanding claims against the Contractor must be satisfied. Before final payment is released, the Contractor must furnish: a) Maintenance Bond (see Section 6 of these general specifications); b) Certification of Compliance, New Jersey Prevailing Wage Act (see Sections 21 and 51); and c) General Release (see Section 36) in a form satisfactory to County Counsel; d) complete set of as-built plans in the latest AutoCad on compact disc; and e) a complete set of in-progress photos in jpg, jpeg, or bmp digital format on a compact disc.

40. INSPECTION

The Work must be done in accordance with the plans and specifications, and will be inspected by the County Engineer. An inspector may be placed upon the Work at any time by the County Engineer to see that the plans, specifications, and instructions of the County Engineer are carried out. In connection herewith, bidders are referred to N.J.S.A. 40A:11-17.

41. DAMAGES

G-20

Revised: 2024.01.22

The Contractor will be held responsible for all damages that may occur to Work, or to persons or property by reason of the nature of the Work or from the elements, or by reason of inadequate protection of the Work, or from any carelessness or negligence on his part or on the part of his employees. The County will withhold payments on the Work until all suits or claims for damages sustained on, or by reason of, this Work will have been settled by the Contractor.

The construction and final completion of this Work will be guaranteed by the Contractor. Any damages that may be done to the Work or any part thereof, by the elements or otherwise, during its construction, will be made good by the Contractor.

42. LIQUIDATED DAMAGES

If the Project is not completed within the time specified herein or within such further time as may have been granted by the County Engineer, then the Contractor hereby agrees to pay to the County as liquidated damages, but not as a penalty, \$1,000.00 per day for each and every calendar day that he is in default on time to complete the Work. The said sum will be deducted from moneys due the Contractor and if the damages exceed this amount, then the Contractor or his Surety Company will pay the excess. These damages may be waived at the option of the County.

43. AFFIRMATIVE ACTION REQUIREMENTS

(REVISED 01/2022)

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. 17:27-1.1 et seq.

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

G-21 Revised: 2024.01.22 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, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance 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 <u>N.J.S.A.</u> 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 Dept. of LWD, Construction EEO Monitoring Program, 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 Dept. of LWD, Construction EEO Monitoring Program is satisfied that the contractor or subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Dept. of LWD, Construction EEO Monitoring Program, 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

Revised: 2024.01.22

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:
 - (l) To notify the public agency compliance officer, the Dept. of LWD, Construction EEO Monitoring Program, and minority and women referral organizations listed by the Division pursuant to <u>N.J.A.C.</u> 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 nondiscrimination 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 contactor 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 Dept. of LWD, Construction EEO Monitoring Program. 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 Dept. of LWD, Construction EEO Monitoring Program, 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 Dept. of LWD, Construction EEO Monitoring Program.
 - (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 Dept. of LWD, Construction EEO Monitoring Program and submitted promptly to the Dept. of LWD, Construction EEO Monitoring Program 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 Dept. of LWD, Construction EEO Monitoring Program an initial project workforce report (Form AA-201) electronically provided to the public agency by the Dept. of LWD, Construction EEO Monitoring Program, 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 Dept. of LWD, Construction EEO Monitoring Program, 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 Dept. of LWD, Construction EEO Monitoring Program as may be requested by the Dept. of LWD, Construction EEO Monitoring Program 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 Dept. of LWD, Construction EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq.

44. INVESTMENT ACTIVITIES IN IRAN

G-25 Revised: 2024.01.22 Pursuant to N.J.S.A. 52:32-55 et seq., prohibits State and local public contracts with persons or entities engaging in certain investment activities in energy or finance sectors of Iran.

45. NON-INVOLVEMENT ACTIVIES IN RUSSIA OR BELARUS

Pursuant to N.J.S.A. 52:32-60.1 et seq., Pursuant to N.J.S.A. 52:32-60.1, et seq. (L. 2022, c. 3) any person or entity (hereinafter "Vendor") that seeks to enter into or renew a contract with a State agency for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here:

https://sanctionssearch.ofac.treas.gov/. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

46. COMPLIANCE WITH THE PUBLIC WORKS CONTRACTOR REGISTRATION ACT - (N.J.S.A. 34:11-56.48 et. seq.)

Pursuant to the above-referenced law, Bidders are required to be registered with the New Jersey Department of Labor and Workforce Development and to possess a current certificate by said Department indicating compliance with the Act prior to the time and date that bids are received. Bidders are notified of this requirement of their compliance. Such certificates or applications shall also be provided for each Subcontractor furnishing plumbing and gas fitting, steam and hot water heating and ventilating apparatus, and all kindred work, steam power plants and kindred work, electrical work, structural steel and ornamental iron work, and such other subcontractors as the specifications require relative to prior identification.

47. UTILITIES

Attention of the bidder is directed to the fact that the approximate locations of known utility structures and facilities that may be encountered within and adjacent to the limits of the Work are shown on the plans and described herein. The accuracy and completeness of this information is not guaranteed by the County Engineer and the bidder is advised to ascertain for himself all the facts concerning the location of these and other utilities.

G-26 Revised: 2024.01.22 The Contractor will not proceed with his Work until he has made diligent inquiries of all public utility and municipal officials to determine the exact location of all-underground structures and pipes within the site of the Project. The Contractor will notify utility owners not less than ten (10) days in advance of the time he proposes to perform any Work that will endanger or affect their facilities in compliance with **New Jersey One-Call**. In excavating in any part of the Work, care must be taken not to remove or damage any gas, water, sewer, or other pipe, conduit, or structure, - public or private - without the concurrence of the owner and the County Engineer. The Contractor will, at his own expense, shore up, secure and maintain a continuous flow in such structures, and will keep them in repair until final acceptance of the Work.

When pipes or other structures are encountered or when the removal, relocation or protection of these utilities are necessary in carrying out the Project as planned, the Contractor will cooperate with the owner of said utilities and will permit the owners or their agents access to the site of the Work in order to relocate or protect their facilities and not hinder or delay unnecessarily the Work of the owners in moving same. No extra allowance of payment will be made to the Contractor for the use of any materials, equipment, etc., or for the performance of any Work in connection with the moving of said structures unless the Contractor is specifically ordered by the County Engineer to furnish such materials, equipment, or services. If directed by the County Engineer to do any Work or furnish any materials or equipment, payment will be allowed the Contractor in accordance with the unit prices bid for such Work, or, if such items are not scheduled in the proposal, such Work shall be allowed "Supplemental Work" as provided in Section 39 of these general specifications. The corporations, companies, agencies or municipalities owning or controlling the utilities, and the name, and telephone numbers are listed in the beginning of the Technical Specifications.

48. MATERIAL COMPLIANCE AND SHOP DRAWINGS

The Contractor will require the manufacturer or supplier to furnish three (3) copies of Certification of Compliance with each delivery of materials, components and manufactured items for the Project. Two (2) copies will be furnished to the County Engineer; one copy will be retained by the Contractor. Certificates of Compliance will contain the following information:

- 1. Project to which material is consigned;
- 2. Name of the Contractor to which the material is supplied;
- 3. Kind of material supplied;
- 4. Quantity of material represented by the Certificate;
- Means of identifying the consignment, such as label marking, seal number, etc.:
- Date and method of shipment;
- 7. That the material is in conformity with the pertinent specifications stated in the certificate; and

8. Signature of a person having legal authority to bind the supplier.

The Contractor will submit to the County Engineer for his approval five (5) copies of complete and fully detailed shop or working drawings for those items listed in the beginning of the technical specifications.

Each drawing will identify the name of the job, location and Contractor.

All drawings will be approved in accordance with the standard specifications. Refer to the Technical Specifications for specific items.

All materials or articles used in the Work will be of American manufacture, insofar as same are available, in conformance with N.J.S.A. 40A:11-18.

49. PRECONSTRUCTION

In order to provide full coordination of this Project among the parties concerned, the County Engineer will arrange for a preconstruction meeting between the Contractor, County Engineer and other interested parties as soon as possible after the contract is executed. At this meeting the Contractor will present his proposed schedule of Work which shall be subject to review and approval of the County through its designated representatives.

50. DISPUTES UNDER THE CONTRACT

A dispute arising under the Contract shall be submitted in writing to the County Engineer with all facts and supporting data. The County Engineer will review the dispute and issue his decision or request additional facts or documentation after which he will render his decision.

In the event the dispute is not then resolved, the matter shall, pursuant to law, be submitted to mediation before being submitted to a court of competent jurisdiction venued in Union County.

The County Engineer will notify the County Counsel when a matter is to be submitted to mediation. The County Counsel will communicate with the parties and inform them of the procedures to be followed in making such a submission.

51. CONTRACTOR BUSINESS REGISTRATION CERTIFICATE

Pursuant to N.J.S.A. 52:32-44, the County of Union is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business

G-28

Revised: 2024.01.22

Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the County of Union with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the County of Union prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

Proof of registration must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids. If subcontractors are named on the bid, proof of the business registration for each must be provided prior to the award of a contract. Similarly, to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

During the course of contract performance:

- the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.
- 2) the contractor shall maintain and submit to the County of Union a list of subcontractors and their addresses that may be updated from time to time.
- 3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury, 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 the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at

http://www.state.nj.us/treasury/revenue/busregcert.shtml.

Before final payment is made under the contract, the contractor shall submit to the County of Union a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.

52. BID PROTEST - LEGAL FEES AND COSTS

In the event a Bidder unsuccessfully challenges a Bid Submission by filing an action in a court of law concerning same, said Bidder shall be responsible for payment of reasonable legal costs and fees incurred by the County relating to said protest.

53. AMERICAN GOODS AND PRODUCTS WHERE POSSIBLE

Bidder shall comply with the requirements of N.J.S.A. 40A:11-18 and use only manufactured and farm products of the United States, wherever available, for the Project.

54. NEW JERSEY PAY-TO-PLAY REQUIREMENTS

This Contract is required by law to be publicly advertised for bids. As such, lists of political contributions pursuant to N.J.S.A. 19:44A-1 et seq. are NOT REQUIRED to be provided with the bids.

55. STATEMENT OF EQUIPMENT TO BE USED IN CONSTRUCTION

Pursuant to N.J.S.A. 40A:11-20 entitled Certificate of Bidder Showing Ability to Perform Contract, the County requires a Certification from all bidders submitting a bid showing that the Bidder owns, leases, or controls all necessary equipment required by the Project Plans and Specifications. All bidders shall provide this information at the time of the bid opening using the attached form entitled, "CERTIFICATE OF BIDDER SHOWING ABILITY TO PERFORM CONTRACT".

If the Bidder is not the actual owner of the equipment, it shall state the source from which the equipment will be obtained and shall attach a certificate from the owner or person in control of the equipment demonstrating that the equipment owner has granted the Bidder control of the requisite equipment during such time as may be necessary for completion of the portion of the contract for which the equipment is necessary.

56. NEW JERSEY SALES AND USE TAX REQUIREMENTS,

Contractors are required to comply with the following:

New Jersey Sales and Use Tax Requirements: All contractors with subcontractors, or any of their affiliates, who enter into contracts for the provision of goods or services with or for New Jersey local government entities, are required to collect and remit to the New Jersey Director of Taxation in the Department of the Treasury the use tax due on all of their sales of tangible personal property delivered into the State of New Jersey pursuant to the "Sales and Use Tax Act," (N.J.S.A. 54:32B-1 et seq.), regardless of whether the tangible personal property is intended for a contract with the contracting agency. This tax shall be remitted for the term

G-30 Revised: 2024.01.22 of the Contract.

For purposes herein "affiliate" shall mean any entity that: (a) directly, indirectly, or constructively controls another entity, (b) is directly, indirectly, or constructively controlled by another entity, or (c) is subject to the control of a common entity. For purposes of the immediately preceding sentence, an entity controls another entity if it owns, directly or indirectly, more than fifty percent (50%) of the ownership interest in that entity. NJSA 52:32-44(g)(3).

57. RESOLUTION NO. 2014-408

WHEREAS, the County of Union recognizes there is a need to ensure that all work on significant public construction and maintenance contracts is performed by responsible, qualified firms that maintain the capacity, expertise, personnel, and other qualifications and resources necessary to successfully perform public contracts in a timely, reliable, and cost-effective manner; and

WHEREAS, in order to effectuate the purpose of selecting responsible contractors for significant public contracts and to protect Union County's capital investments in such contracts prospective contractors and subcontractors should be required to meet pre-established, clearly-defined, minimum standards relating to contractor responsibility, including retirements and criteria concerning qualifications, competency) expertise, adequacy of resources, including equipment, financial and personnel, and satisfactory records regarding past project performance, safety, legal compliance and business integrity; and

WHEREAS, the County has a compelling interest in assuring that its Public Works Projects meet the highest standard of safety and quality; and

WHEREAS, due to the critical impact that skilled construction craft labor has on public works projects, and due to the limited availability of skilled construction craft labor and imminent craft labor skill shortages, it is necessary to require contractors and subcontractors to participate in established, formal apprenticeship training programs for the purpose of both promoting successful project delivery and ensuring future workforce development; and

WHEREAS, an apprenticeship program is a structured system of training designed to prepare individuals for occupations and lifelong careers in skilled trades and crafts by providing a wage-paying job that incorporates extensive workplace and classroom training under the supervision of experienced workers, in preparation for highly skilled occupations; and

WHEREAS, apprenticeship programs are a critical component in public safety, by ensuring that workers on public projects are properly trained, able, competent and capable craftsmen, and provide assurance of compliance with the County's bid specifications and achieve high quality standards; and

WHEREAS, for an apprenticeship program to be fully effective, the public and private sectors must recognize its value and commit to supporting its mission; and

WHEREAS, Union County has long recognized the value of apprenticeship programs through its support of the Union County Vocational-Technical Schools, which offer training programs to help ensure that Union County will continue to produce a skilled and educated work force in the trade specialties, and thus, strengthen Union County's economy by fostering the development of highly paid trade and craft careers; and

WHEREAS, the use of apprenticeship programs or apprenticeship trained employees on Union County Public Works Projects will serve the dual goal of providing the County with assurance that its public works projects are completed with a well-trained workforce, in a highly skilled and timely fashion, while creating opportunities for careers in the skilled trades and craft industry for County residents; and

WHEREAS, the County of Union also recognizes that it is beneficial to their employees to utilize fair business, employment, and training practices that have a positive impact on local communities affected by such contracts:

NOW, THEREFORE, BE IT RESOLVED by the Board of Chosen Freeholders of the County of Union as follows:

- 1. The County of Union shall require compliance with the provisions of this Resolution by business entities seeking to provide services to the County of Union as specified herein. The requirements of this Resolution are intended to supplement, not replace, existing contractor qualifications and performance standards or criteria currently required by law, public policy or contracting documents, including but not limited to Union County's DPMC classification and Project Labor Agreement policies
- 2. All contractors and subcontractors that perform significant work on any public facility or public works project, including construction, alteration, renovation, repair, service, or maintenance work, shall meet the requirements of this Resolution. For purposes of this Resolution, the

G-32 Revised: 2024.01.22 term "significant work" shall be defined as any work or activity covered under the New Jersey Prevailing Wage Act, N.J.S.A. 34:11-56.25 et seq.

- 3. All firms engaged in contracts covered by this Resolution shall be qualified responsible contractors or subcontractors that have sufficient capabilities in all respects to successfully perform contracts on which they are engaged, including the necessary experience, equipment, technical skills and qualifications and organizational, financial and personnel resources. Firms bidding on public contracts shall also be required to have a satisfactory past performance record and a satisfactory record of legal compliance, integrity and business ethics. Compliance with these standards shall be established by compliance with the requirements set forth in paragraph 8 of this Resolution.
- 4. As a condition of performing work on public works contracts over the public works threshold, the general contractor shall provide certification that he and each subcontractor working on the project shall have at least one (I) employee who has successfully completed the OSHA 10-hour construction safety and health course. As a condition of performing work on public works contracts of \$500,000.00 or more total cost of project, the general contractor shall provide certification that each subcontractor working on the project shall have at least one (1) employee who has successfully completed the OSHA 30-hour construction safety and health course.
- 5. All contractors and subcontractors that perform significant work on any public facility or public works project shall be required to affirmatively provide evidence of and confirm compliance with proof of participation in an Apprenticeship Program currently registered and approved by the United States Department of Labor ("USDOL"), the New Jersey Department of Labor ("NJDOL") or any state having equal to or higher requirements as either the USDOL or NJDOL apprenticeship programs. Additionally, Apprenticeship Programs shall meet the criteria set forth in Section 8(i) of this Resolution.
- 6. As a condition of performing work on public works contracts subject to this Resolution, a general contractor seeking award of a contract shall submit a Contractor Responsibility Certification at the time it submits its bid for contract.
- 7. The Contractor Responsibility Certification shall be completed on a form provided by the Union County Purchasing Department and shall reference the project for which a bid is being submitted by name and contract or project number.

G-33

- 8. In the Contractor Responsibility Certification, general contractors and subcontractors shall certify the following facts regarding their past performance and work history and its current qualifications and performance capabilities:
 - a. The firm has all valid, effective licenses, registrations or certificates required by federal, state, county, or local law, including, but not limited to, licenses, registrations, certificates required to: (1) do business in the designated locale; and (2) perform the contract work it seeks to perform. These shall include, but not be limited to, licenses, registrations or certificates for any type of trade work or specialty work, which the firm proposes to self-perform.
 - b. The firm meets the bonding requirements for the contract, as required by applicable law or contract specifications and any insurance requirements, as required by applicable law or contract specifications, including general liability insurance, workers compensation insurance and unemployment requirements.
 - c. The firm has not been debarred by any federal, state or local government agency or authority in the past three (3) years.
 - d. The firm has not defaulted on any project in the past three (3) years.
 - e. The firm has not had any type of business, contracting or trade license, registration, or other certification suspended or revoked in the past three (3) years.
 - f. The firm has not been cited and found guilty for a willful violation of federal or state safety laws in the past three (3) years.
 - g. The firm and/or its owners have not been convicted of any crime relating to the contracting business by a final decision of a court or government agency in the past three (3) years.
 - h. The firm will pay all craft employees that it employs on the project the current wage rates and benefits as required under applicable Federal or State prevailing wage laws.
 - i. The firm participates in an Apprenticeship Program that is

currently registered with the USDOL, the NJDOL or any state having equal to or higher requirements as either the USDOL or NJDOL apprenticeship programs, for each craft or trade in which it apprentices. The firm shall provide proof of meeting this qualification standard by submitting appropriate documentation as an attachment to this Certification. The firm shall continue to participate in applicable apprenticeship programs for the full duration of the contract work. The apprenticeship program in which the firm participates shall have graduated at least one (1) enrollee in each of the past three (3) years.

- 9. The County of Union may conduct any additional inquiries to verify that the prospective awardee and its subcontractors have the technical qualifications and performance capabilities necessary to successfully perform the contract and that the firms have a sufficient record of legal compliance and business integrity to justify the award of a public contract. In conducting such inquiries, the County of Union may seek relevant information from the firm, its prior clients or customers, its subcontractors or any other relevant source.
- 10. If any provision of this Resolution shall be held to be invalid or unenforceable by a court of competent jurisdiction, any such holding shall not invalidate any other provisions of this Resolution and all remaining provisions shall remain in full force and effect.

NOW, THEREFORE, BE IT RESOLVED by the Board of Chosen Freeholders of the County of Union that it hereby establishes and adopts the Responsible Contractor Policy, and it hereby authorizes the County Manager to sign any and all documents necessary to make said Policy effective immediately.

58. FEDERAL TERMS

TERMS AND CONDITIONS APPLICABLE TO ALL CONTRACTS/PURCHASES FUNDED, IN WHOLE OR IN PART, BY FEDERAL FUNDS.

The provisions set forth below apply to all contracts funded, in whole or in part, by Federal funds as required by 2 CFR 200.317.

1. <u>CONTRACTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLU</u>S AREA FIRMS

Pursuant to 2 CFR 200.321, the State must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible. Accordingly, if subawards are to be made the Contractor shall:

- (1) Include qualified small and minority businesses and women's business enterprises on solicitation lists:
- (2) Assure that small and minority businesses, and women's business enterprises are

G-35

Revised: 2024.01.22

- solicited whenever they are potential sources;
- (3) Divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and,
- (5) Use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

2. DOMESTIC PREFERENCE FOR PROCUREMENTS

Pursuant to 2 CFR 200.322, where appropriate, the State has a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). If subawards are to be made the Contractor shall include a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). For purposes of this section:

- (1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
- (2) "Manufactured products" means items and construction materials composed in whole or in part of nonferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

3. PROCUREMENT OF RECOVERED MATERIALS

Where applicable, in the performance of contract, pursuant to 2 CFR 200.323, the contractor must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$ 10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

To the extent that the scope of work or specifications in the contract requires the contractor to provide recovered materials the scope of work or specifications are modified to require that as follows.

- In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired—
 - 1. Competitively within a timeframe providing for compliance with the contract performance schedule;
 - 2. Meeting contract performance requirements; or
 - 3. At a reasonable price.

G-36 Revised: 2024.01.22

- ii. Information about this requirement, along with the list of EPA- designated items, is available at EPA's Comprehensive Procurement Guidelines web site, https://www.epa.gov/smm/comprehensive- procurement-guideline-cpg-program.
- iii. The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act."

4. EQUAL EMPLOYMENT OPPORTUNITY

Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor." See, 2 CFR Part 200, Appendix II, para. C.

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

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:
 Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor 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 race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his/her books, records, and

- accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

5. DAVIS-BACON ACT, 40 U.S.C. 3141-3148, AS AMENDED

When required by Federal program legislation, all prime construction contracts in excess of \$2,000 shall be done in compliance with the Davis-Bacon Act (40 U.S.C. 3141- 3144, and 3146-3148) and the requirements of 29 C.F.R. pt. 5 as may be applicable. The contractor shall comply with 40 U.S.C. 3141-3144, and 3146-3148 and the requirements of 29 C.F.R. pt. 5 as applicable. Contractors are required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. Additionally, contractors are required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

6. COPELAND ANTI-KICKBACK ACT

Where applicable, the Contractor must comply with Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States").

- a. Contractor. The Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into the OGS centralized contract.
- b. Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.
- c. Breach. A breach of the clauses above may be grounds for termination of the OGS centralized contract, and for debarment as a Contractor and subcontractor as provided in 29 C.F.R. § 5.12.

7. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 40 U.S.C. 3701-3708

Where applicable, all contracts awarded by the non-Federal entity in excess of \$ 100,000 that involve the employment of mechanics or laborers must comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5).

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and onehalf times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the

G-39 Revised: 2024.01.22

- sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.
- (3) Withholding for unpaid wages and liquidated damages. The unauthorized user shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

8. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT

If the Federal award meets the definition of "funding agreement" under 37 CFR § 401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

9. CLEAN AIR ACT, 42 U.S.C. 7401-7671Q, AND THE FEDERAL WATER POLLUTION CONTROL ACT, 33 U.S.C. 1251-1387, AS AMENDED

Where applicable, Contracts and subgrants of amounts in excess of \$150,000, must comply with the following:

Clean Air Act

- 1. The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- 2. The contractor agrees to report each violation to the Division of Purchase and Property and understands and agrees that the Division of Purchase and Property will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office
- 3. The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

Federal Water Pollution Control Act

1. The contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

G-40 Revised: 2024.01.22

- The contractor agrees to report each violation to the Division of Purchase and Property and understands and agrees that the Division of Purchase and Property will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- 3. The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

10. DEBARMENT AND SUSPENSION (EXECUTIVE ORDERS 12549 AND 12689)

- (1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the contractor is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- (2) The contractor must comply with 2 C.F.R. pt. 180, subpart C and C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- (3) This certification is a material representation of fact relied upon by the State or authorized user. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the State or authorized user, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- (4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

11. BYRD ANTI-LOBBYING AMENDMENT, 31 U.S.C. 1352

Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

12. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT

- (a) Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:
 - (1) Procure or obtain;
 - (2) Extend or renew a contract to procure or obtain; or
 - (3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115–232, section 889,

covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

- (i) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
- (ii) Telecommunications or video surveillance services provided by such entities or using such equipment.
- (iii) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

13. CONTRACTS FOR MORE THAN THE SIMPLIFIED ACQUISITION THRESHOLD

Contracts for more than the simplified acquisition threshold, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

14. TERMINATION FOR CONVENIENCE PROVISION

All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.

15. BONDING REQUIREMENTS

For construction or facility improvement contracts or subcontracts exceeding the Simplified Acquisition Threshold, the Federal awarding agency or pass-through entity may accept the bonding policy and requirements of the non-Federal entity provided that the Federal awarding agency or pass-through entity has made a determination that the Federal interest is adequately protected. If such a determination has not been made, the minimum requirements must be as follows:

- (a) A bid guarantee from each bidder equivalent to five percent of the bid price. The "bid guarantee" must consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
- (b) A performance bond on the part of the contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's requirements under such contract.
- (c) A payment bond on the part of the contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.

G-42 Revised: 2024.01.22

Bidders	name:		
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EDWARD T. OATMAN COUNTY MANAGER

MICHELLE HAGOPIAN, ASSISTANT DIRECTOR DIRECTOR / DIVISION OF PURCHASING

BID DOCUMENT SUBMISSION CHECKLIST ALL SIGNATURES AND SEALS SHALL BE ORIGINALS UNLESS OTHERWISE SPECIFIED BID SHEETS SHOULD NOT BE SUBMITTED DOUBLE SIDED PAGES, (SINGLE SIDE ONLY)

	ACH BIDDER SHOULD COMPLETE THIS FORM AND INITIAL EACH ENTRY. ATE COMPLETED:
	EASE SUBMIT BID DOCUMENTS ON SINGLE SIDED PAPER ONLY, WITH THE EXCEPTION OF THE SURETY ID BID BOND DOCUMENTS.
IN	ACCORDANCE WITH THE BID SPECIFICATIONS I HAVE REVIEWED, COMPLETED / EXECUTED AND INCLUDED IE FOLLOWING FORMS:
	Bid Form Page (Signed, Dated and Bid on all alternatives applicable to the Work).
	Security in the form of: Bid bond in an amount equal to 10% of the total amount of this bid not to exceed \$20,000.00; or Certified check or cashier's check in the amount of 10% of this bid not to exceed \$20,000.00
	Consent of Surety form signed by a Surety Company if the total amount of your Bid is over \$36,000.00. If your bid is accepted, the Surety Company that provided the Consent shall be required to furnish a Performance, Labor and Materials Bond in the amount of 100% of the award of the contract. The County of Union has provided its Consent of Surety form for your use. The use of this form by your Surety Compan will expedite the bid review process and eliminate the possibility of having your bid rejected. If, however, you should need to use another form, please use language similar to that used on the Union County form and avoid making any additions or deletions to the Union County form language. In lieu of the Consent of Surety you may submit a Certified Check in the full amount of the bid.
	STATEMENT OF BIDDER OWNERSHIP. Pursuant to N.J.S.A. 52:25-24.2, which includes BOTH of the following documents:
	 Bidder Signature Page Bidder Disclosure Statement (Fill out 2 pages completely)
-	SUBCONTRACTOR IDENTIFICATION. Pursuant to N.J.S.A. 40A:11-16, which includes BOTH of the following documents:
	 Subcontractor Identification Statement: List of Subcontractors (only for certain types of work) Subcontractor Identification
	Acknowledgement of Addendum form: (This form is to be used only when an addendum has been added to the specifications).
	A copy of the State of New Jersey Department of the Treasury, Division of Revenue, Business Registration Certificate ("BRC") may be included with the bids to expedite the contract process because the bidder is required to provide the County of Union with its proof of business registration and that of any named subcontractor(s) prior to contract award or authorization.
-	A copy of the State of New Jersey Department of the Treasury, Division of Revenue, Business Registration Certificate ("BRC") of all named or listed subcontractors (List of Subcontractors) in a Construction bid may be included with the bid as the BRC(s) for each named or listed subcontractors in order to expedite the contract process. Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the County of Union prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

Affirmative Action Requirement
Experience Statement
Certificate of Bidder showing ability to perform Contract
Non-Collusion Affidavit – Fill out completely and notarize
Certificates from New Jersey Department of Labor and Workforce Development – Public Works Contractor Registration Act. (Only for certain types of work)
Federal Attachments (If applicable)
NJDPMC Certificate / Notice of Classification (If applicable)
Americans with Disabilities Act
Statement of Bidder's Qualifications
Contractor Performance Record
Affidavit Regarding List of Debarred, Suspended or Disqualified Bidders
Prior Negative Experience Questionnaire
Contractor's Certification of Compliance – New Jersey Prevailing Wage Act
Uncompleted Contracts Affidavit (For Bidder, if applicable) MUST ALSO PROVIDE DPMC FORM 701
Certificate of Insurance Statement
Collection of Use Tax on Sales to Local Government Statement
Time of Completion
Disclosure of Investment Activities in Iran
Disclosure of Non-Involvement in Activities in Russia or Belarus
Federal Non-Debarment Certification
BYRD Anti-Lobbying Amendment Certification
Certification regarding Lobbying
Disclosure of Lobbying Activities (LLL Form)
I HAVE TAKEN THE FOLLOWING ACTIONS:
Visited the site and attended the Pre-Bid Meeting (Where applicable)
Reviewed the Contract Documents (including any permits the County or its professionals may have obtained), Work, Site, Locality, and Local Conditions and Laws and Regulations that in any manner may affect Cost, Progress, Performance or Furnishing of Work.
Reviewed Bond Requirements
Provided Proof of Compliance with New Jersey Prevailing Wage Act
Reviewed Form of Owner/Contractor Agreement and General Conditions to the Contract

Bidders name:

Bidders name:

NOTE: QUESTIONS PERTAINING TO THIS BID ARE TO BE DIRECTED TO THE DIVISION OF PURCHASING AT <u>ucbids@ucnj.org</u>.

BIDDING DOCUMENTS

The Bidding Documents consist of the following items:

- ADDENDA, if issued
- CLARIFICATIONS, if issued
- INSTRUCTION TO BIDDERS
- BID FORM
- SPECIFICATIONS: As outlined in the Table of Contents and included in the Project Manual.
- DRAWINGS: As per List of Drawings, indicated on the Project Title Sheet.

Bidders name:	
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BID FORM

I/We have carefully examined the plans, specifications, and advertisement for bid for the

Rehabilitation of the Trenton Avenue Bridge City of Elizabeth, County of Union, New Jersey BA#55-2024; Union County Engineering Project #2021-001

that is on file in the Union County Division of Engineering. I/We have inspected the site of the work and will contract to do all the work and furnish all materials mentioned in said plans and specifications. Work will be accomplished in the manner prescribed therein.

BASE BID ITEMS:

ITEM NO	DESCRIPTION	UNIT PRICE	AMOUNT		
1	MOBILIZATION	LS	1		
2	SILT FENCE	LF	360		
3	HAYBALE (IF & WHERE DIRECTED)	UNIT	20		
4	INLET FILTER TYPE 2, 2' X 4'	UNIT	5		
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	150		
6	SEDIMENT CONTROL BAG	SF	40		
7	SITE SURVEY AND ENGINEERING	LS	2		
8	BREAKAWAY BARRICADE, TYPE III	UNIT	15		
9	CONSTRUCTION SIGNS	SF	350		
10	PORTABLE VARIABLE MESSAGE SIGN	UNIT	4		
11	FUEL PRICE ADJUSTMENT	DOL	1	1,000	\$1,000.00
12	ASPHALT PRICE ADJUSTMENT	DOL	1	1,000	\$1,000.00
13	CLEARING SITE	LS	1		
14	EXCAVATION, TEST PIT (IF & WHERE DIRECTED)	CY	5		
15	EXCAVATION, UNCLASSIFIED	CY	230		
16	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	520		
17	TACK COAT	GAL	50		

18	HMA MILLING, 3" OR LESS	SY	115
19	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	30
20	HOT MIX ASPHALT 19 M 64 BASE COURSE, 6" THICK	TON	40
21	CONCRETE SIDEWALK, 4" THICK	SY	130
22	9" X 18" CONCRETE VERTICAL CURB	LF	200
23	BEAM GUIDE RAIL	LF	1,300
24	TANGENT GUIDE RAIL TERMINAL	UNIT	5
25	APPROACH GUIDE RAIL TRANSITION TL-2	UNIT	4
26	TRAFFIC STRIPES, 6"	LF	1,700
27	TRAFFIC MARKINGS	SF	140
28	REMOVAL OF TRAFFIC STRIPES	SF	50
29	REGULATORY AND WARNING SIGN	SF	30
30	BORROW TOPSOIL (IF & WHERE DIRECTED)	CY	20
31	FERTILIZING AND SEEDING, TYPE A-3	SY	100
32	TOPSOIL SPREADING, 4" THICK	SY	100
33	CLEARING SITE, BRIDGE (EL-18)	LS	1
34	TEMPORARY SHIELDING	LS	1
35	TEMPORARY COFFERDAM	LS	1
36	REINFORCEMENT STEEL, EPOXY-COATED	POUND	131,000
37	CONCRETE ABUTMENT WALL	CY	60
38	CONCRETE PIER COLUMN AND CAP	CY	90
39	STRUCTUAL STEEL	LS	1
40	REINFORCED ELASTOMERIC BEARING ASSEMBLY	UNIT	72
41	SHEAR CONNECTOR	UNIT	7,300

Bidders name:	
Bidders name:	

42	2 ½" BY 2 ½" PREFORMED ELASTOMERIC JOINT ASSEMBLY	LF	260		
43	CONCRETE BRIDGE DECK, HPC	CY	260		
44	DATE PANEL	UNIT	1		
45	CONCRETE BRIDGE SIDEWALK, HPC	CY	60		
46	CONCRETE PARAPET, HPC	LF	300		
47	CONCRETE BRIDGE APPROACH	CY	140		
48	STEEL 1 BAR BRIDGE RAILING	LF	300		
49	SCUPPER	UNIT	6		
50	CONCRETE SPALL REPAIRS, SUBSTRUCTURE, TYPE B	SF	320		
51	PRESSURE INJECTION, CONCRETE CRACKS	LF	100		
52	CONCRETE REPAIRS, SUBSTRUCTURE ALLOWANCE	LS	1	\$50,000.00	\$50,000.00

TOTAL BASE BID AMOUNT:	
Written	Figures
BID CONTINGENCY: (To be used if and when directed by the Cour	nty)
One Hundred Thousand Dollars and No Cents Written	\$100,000 Figures
TOTAL BASE BID ITEMS PLUS BID CONTINGENCY AMOUNT:	
Written	Figures

NOTE: Bid Contingency may include one-half of one percent of contract amount set aside for local training if and when directed by the County.

Bidders	name.		
DIGUELS	manne.		

CONSENT OF SURETY TO ACCOMPANY PROPOSAL (BID)

(1	hereinafter	called	Surety),	organized	and	existing	under	the	laws	of th	ie Sta	ite of
du	ıly authorize	ed and q	ualified to	transact bu	ısiness	s in the S	tate of I	New J	ersey,	in con	sidera	tion of
the sum of One Dollar (\$1.0	0), lawful m	oney of	the Unite	d States of	Ameri	ca, to it iı	n hand	paid,	receipt	where	eof is h	ereby
acknowledged, and in consid	deration, he	reby cer	tifies and	agrees that	if the c	contract fo	or which	the a	ittache	d prop	osal is	made
be awarded to		_ (herein	after calle	ed Contracto	or) for t	he perfor	mance	of cer	tain wo	ork and	labor t	or the
supplying of certain materia	ls, or both,	as mor	e particul	arly set fortl	n in sa	id propos	sal and	desci	ribed fo	or purp	oses	of this
instrument as a proposal fo	r		†	to the COU	NTY C	F UNION	N and if	Cont	ractor	shall e	nter in	to the
contract, Surety will become	bound as	surety fo	or its faith	ful performa	ance, la	abor and	materia	al pay	ment a	and wil	l provi	de the
Contractor with a performan	ce, labor an	nd mater	ial payme	ent bond in t	he full	amount o	of the co	ontrac	t price			
NOTE:	NAME	OF INS	URANCE	COMPAN	<u> </u>							
Expiration date Needed if Annual	ADDR	ESS:										
Surety												
	ORIGI	NAL SIC	NATURE	E				-				
	ATTOF	RNEY-IN	I-FACT F	OR INSURA	ANCE	CO.						

NOTE: PROOF OF AUTHORITY OF OFFICERS OF SURETY COMPANY TO EXECUTE THIS DOCUMENT MUST BE SUBMITTED.

Bidders name:	

BIDDER SIGNATURE PAGE

THE BIDDER MUST READ THE FOLLOWING INSTRUCTIONS TO COMPLETE THIS PAGE:

- 1. If doing business under a <u>trade name, partnership or a sole proprietorship</u>, you must submit the bid under exact title of the trade name, partnership, or proprietorship, and the bid must be signed by either the <u>owner</u>, or a <u>partner</u> and <u>witnessed</u> by a <u>notary public</u>.
- 2. If a <u>Corporation</u>, the bid must be signed by the <u>President</u> or <u>Vice President</u> and <u>witnessed</u> by a <u>Corporate Secretary</u> (corporate title must be exact) and <u>affix corporate seal</u>. If a Corporate Secretary does not exist, President or Vice President's signature shall be witnessed by a Notary Public.
- 3. Other persons <u>authorized</u> by <u>corporate resolution</u> to execute agreements in its behalf may also sign the bid documents (pages). <u>Copy of a resolution must accompany the bid</u>.
- 4. The person who signs this bid form **must also** sign the **Non-Collusion Affidavit**.
- 5. You <u>cannot</u> witness your own signature.

		NAME OF BIDDER
ORIGINAL SIGNATURE CORPORATE SECRETARY		ADDRESS OF BIDDER
PRINT NAME AND TITLE CORPORATE SECRETARY		TEL: FAX: E-Mail:
	BY:	ORIGINAL SIGNATURE
Corporate Seal		
		PRINT OR TYPE NAME AND TITLE

WARNING: IF YOU FAIL TO FULLY, ACCURATELY, AND COMPLETELY SUPPLY THE INFORMATION REQUESTED ON THIS PAGE, YOUR BID MAY BE REJECTED.

Bidders	name.		
DIGUELS	manne.		

STATEMENT OF OWNERSHIP DISCLOSURE

N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

Name of Organization:	
Organization Address:	
Part I Check the box that represents the	e type of business organization:
Sole Proprietorship (skip Parts II and III,	execute certification in Part IV)
Non-Profit Corporation (skip Parts II and	III, execute certification in Part IV)
For-Profit Corporation (any type)	imited Liability Company (LLC)
Partnership Limited Partnership	p Limited Liability Partnership (LLP)
Other (be specific):	
Part II	
<u>1 art 11</u>	
own 10 percent or more of its stock who own a 10 percent or greater in	and addresses of all stockholders in the corporation who a, of any class, or of all individual partners in the partnership terest therein, or of all members in the limited liability greater interest therein, as the case may be. (COMPLETE ON)
individual partner in the partnership	on owns 10 percent or more of its stock, of any class, or no owns a 10 percent or greater interest therein, or no eany owns a 10 percent or greater interest therein, as the
(Please attach additional sheets if more space is r	needed):
Name of Individual or Business Entity	Address

Bidders name:	
Didders Harrie.	

<u>Part III</u> DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. Attach additional sheets if more space is needed.

Website (URL) containing the last annual SEC (or foreign equivalent) filing	

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II other than for any publicly traded parent entities referenced above. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. Attach additional sheets if more space is needed.

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Address

Part IV Certification

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the *County of Union* is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with *County of Union* to notify the *County of Union* in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the *County of Union* to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):	Title:	
Signature:	Date:	

Bidders name:	

SUBCONTRACTOR IDENTIFICATION STATEMENT LIST OF SUBCONTRACTORS

This form is ONLY required for plumbing and gas fitting, steam and hot water heating and ventilating apparatus, steam power plants, electrical work, structural steel, ornamental iron work, and any other trades required to be identified by the specifications (including, but not limited, to satisfying any DPMC Classification requirements).

☐ CHECK THIS BOX IF NONE O THE SPECIFICATIONS ARE TO BE U	F THE ABOVE LISTED TRADES OR THOSE REC SED TO PERFORM THE WORK	SOIKED TO BE IDENTIFIED IN
In compliance with N.J.S.A. 40A:11-16 following subcontractors:	and the bid specifications, the undersigned hereby	lists the name or names of the
Company Name:		
Address:		
	Subcontract Amount: \$	
License No.	_	
Company Name:		
Telephone:	Subcontract Amount: \$	
License No.	_	
Company Name:		
Address:		
Telephone:	Subcontract Amount: \$	
Specific Scope of Work Subcontracted:		
License No.	_	
IF MORE THAN THREE SUBCONTRA BID PACKAGE.	CTORS, PLEASE COPY THIS SHEET AS NECES	SSARY AND ATTACH TO THE
(Continued on following page)		

B - 11

Bidders name:	

SUBCONTRACTOR IDENTIFICATION CERTIFICATION

Note the law does not permit the listing of alternate subcontractors. However, multiple subcontractors for the same trade are permitted to be named provided the bidder meets the following requirements:

- Bidder identifies each subcontractor named for that category;
- Bidder states the scope of work, goods and services (the portion of the work) to be performed by each subcontractor; and
- Bidder provides the price quote provided by each subcontractor.

The bidder is advised that any change of subcontractor(s) from ones listed herein is subject to the County's approval. Change of subcontractor(s) will be approved only if made for good cause and not as a result of an arbitrary purpose.

The undersigned Bidder certifies and declares that the subcontractors listed above shall be used as subcontractors to complete certain portions of the work in this project as set forth in N.J.S.A. 40A: 11-16.

Witness		NAME OF BIDDER
Date		
		ADDRESS
	Ву:	
		ORIGINAL SIGNATURE ONLY
		PRINT NAME AND TITLE

Bidders	name:		
Diducts	manne.		

ACKNOWLEDGMENT OF ADDENDUM

COUNTY OF UNION

(Name of Construction /Public V	Vorks Project) (Project or	Bid Number)	
revisions, or addenda to the bid ac acknowledges the submitted bid take	a., the undersigned bidder, hereby dvertisement, specifications or bid ones into account the provisions of the reshall take precedence and that failured.	documents. By indicating date notice, revision or addendum. No	of receipt, bidder te that the County
Local Unit Reference Number or Title of Addendum/Revision	How Received (mail, fax, pick- up, etc.)	Date Received	
	ар, отогу		
ACKNOWLEDGMENT BY BIDDER	:		
NAME OF BIDDER:			
ORIGINAL SIGNATURE:			
PRINTED NAME AND TITLE:			

DATE: _____

Bidders	name.		

CONTRACTOR BUSINESS REGISTRATION CERTIFICATE

New Mandatory Requirement - Effective 1/18/2010

The recently enacted **P.L. 2009, c.315**, requires that effective January 18, 2010; a contracting agency must receive proof of the bidder's business registration prior to the award of a contract. However, the proof must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each subcontractor must be provided prior to the award of bid. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be

	A copy of a Business Registration Certificate issued by the Department of the Treasury, Division of Revenue;
or	
	A copy of the web version provided by the NJ Division of Revenue, or

Register online at www.nj.gov/treasury/revenue/taxreg.htm. Click the "online" link and then select "Register for Tax and Employer Purposes or call the Division at 609-292-1730.

Note: A NJ Certificate of Authority is not acceptable.

FAILURE to submit proof of registration of the bidder or any subcontractor named on the bid prior to the award of a contract shall be cause to reject the bids.

FAILURE of the bidder or any subcontractor named on the bid to be <u>registered</u> prior to the receipt of bids is cause for a **MANDATORY REJECTION** of bids. (A NON-WAIVABLE DEFECT). This covers construction work as well as non-construction bids.

IN ADDITION:

The contractor shall provide written notice to all **subcontractors and suppliers** not specifically named on the bid of the responsibility to register and 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.

Bidders	name.		
DIGUELS	manne.		

BUSINESS REGISTRATION

Pursuant to N.J.S.A. 52:32-44, the County of Union is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the County of Union with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the County of Union prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

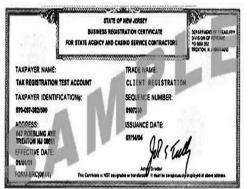
Proof of registration must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids. If subcontractors are named on the bid, proof of the business registration for each must be provided prior to the award of a contract. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

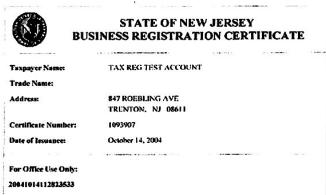
During the course of contract performance:

- (1) the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.
- (2) the contractor shall maintain and submit to the County of Union a list of subcontractors and their addresses that may be updated from time to time.
- (3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury, 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 the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at http://www.state.nj.us/treasury/revenue/busregcert.shtml.

Before final payment is made under the contract, the contractor shall submit to the County of Union a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.





ATTACH BRC HERE

B - 15

Bidders na	ame:	

<u>AFFIRMATIVE ACTION REQUIREMENT</u>

REQUIRED AFFIRMATIVE ACTION EVIDENCE

General Requirements of P.L. 1975, c. 127: You are hereby put on notice that:

CONSTRUCTION CONTRACTS: The successful contractor must submit within three (3) days of the notice of intent to award or the signing of the contract the initial project manning report (A.A.201). This report should be submitted at the time the signed contract is returned to the County of Union. Attention: Affirmative Action Officer.

If the successful contract <u>does not submit the initial project manning report</u> (A.A.201) within the three (3) days from the time the signed contract is returned to the County of Union, the County of Union <u>WILL</u> declare the contractor <u>non-responsive</u> and award the contract to the next lowest responsible bidder.

NAME OF BIDDER
ORIGINAL SIGNATURE
PRINT OR TYPE NAME AND TITLE
DATE THIS FORM IS COMPLETED

Bidders	name:		

EXPERIENCE STATEMENT

I hereby certify that my company has performed the following private or public work, which is relevant to this bid.
I further certify that my company has never defaulted under any contract. Should you not sign this form due to
prior defaults, please provide details on an attached sheet.

Witness	NAME OF BIDDER
Date	
	ADDRESS
	By: ORIGINAL SIGNATURE ONLY
	PRINT NAME AND TITLE

YOU MAY ATTACH ADDITIONAL SHEETS, BUT YOU MUST SIGN AND WITNESS THIS SHEET.

Bidders name:	

CERTIFICATE OF BIDDER SHOWING ABILITY TO PERFORM CONTRACT

STATE OF NEW JERSEY /)	
COUNTY OF	Specify, if Other) SS:	
COUNTY OF)		
ı		of the (City, Town, Boro)	ugh etc.) of
State of	, of full age, being duly	sworn according to law on m	y oath depose and say that:
I am	of the firm of		, the Bidder making
the proposal for the above n	amed Project ("Contractor'), and	that I executed said proposal	with full authority to do so; and
that said Contractor, pursual	nt to <u>N.J.S.A.</u> 40A:11-20, certifies	that it owns, leases or contro	ols all the necessary equipment
required by the Plans, Speci	fications and Advertisements und	der this Bids are asked for.	
If the Bidder is not the actua	l owner or lessee of any such equ	uipment, then the Bidder shall	attach to this Certificate
information identifying the so	ource from which the equipment v	will be obtained, and such info	ormation shall be accompanied
by a certificate from the own	er or person in control of the equi	ipment definitively granting to	the Bidder the control of the
equipment required during s	uch time as may be necessary fo	or the completion of that portio	on of the contract.
(Also type or print name of a	ffiant under signature)		
Rv.			

Bidders name:	
---------------	--

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

STATE OF		<u> </u>		
00111171/0) SS:			
COUNTY O	F)		
I	, of the	e City ofe, being duly sworn according to	, in the County of law, on my oath depose and	, and the State of
with full auth collusion, or project; and knowledge t	nority to do so; that sa otherwise taken any that all statements co that the COUNTY OF	of ed the said proposal for the abovated the said proposal for the abovated bidder has not, directly or incomposation in restraint of free, compontained in said proposal and in UNION, NEW JERSEY relies upontained in the affidavit in award	irectly, entered into any agreetitive bidding in connection this Affidavit are true and copon the truth of the statemer	eement, participation in any with the above named rrect, and made with full hts contained in said
an agreeme	nt or understanding f	r selling agency has been emplo or a commission, percentage, b ial or selling agencies maintain	okerage or contingent fee, e	except bona fide employees
			NAME OF BIDDER	
			ORIGINAL SIGNAT	URE ONLY
			The person who signed th bidder should sign this for	
Subscribed	and sworn to before ı	me		
this	day of	, 20		
(Seal) Notai	ry Public of New Jerse		- -	
		Specify Other State		
My Commis	sion Expires	, 20	÷	

WARNING: IF YOU FAIL TO FULLY, ACCURATELY, AND COMPLETELY FILL OUT THIS AFFIDAVIT OF NON-COLLUSION, YOUR BID MAY BE REJECTED.

Bidders name:

Contractor Registration Advisement

For Public Works Projects

A new law, known as "The Public Works Contractor Registration Act" (P.L. 1999, c.238), became effective April 11, 2000. Under the Act, no contractor/subcontractor will be permitted to bid on or engage in any contract for public work, as defined in Section 2 of P.L. 1963, c.150 (C:34:11-56.26), unless that contractor/subcontractor is registered with the New Jersey Department of Labor and Workforce Development. The Act provides that upon registration with the Department, a public works contractor/subcontractor will be issued a certificate by the Department indicating compliance with the Act's requirements. The registration fee has been set at \$300.00 per year. Upon the effective date of the Act, public bodies will be expected to request production of such a certificate from those bidding on or engaging in public works projects.

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

Registration forms, copies of the Act, and other relevant information can be obtained by contacting:

Contractor Registration Unit
New Jersey Department of Labor and Workforce Development
Division of Wage & Hour Compliance
PO Box 389
Trenton, New Jersey 08625-0389
Telephone: 609-292-9464
Fax: 609-633-8591

E-mail: contreg@dol.state.nj.us

Bidders na	ame:	

AMERICANS WITH DISABILITIES ACT EQUAL OPPORTUNITY FOR INDIVIDUALS WITH DISABILITIES

The contractor and the County of Union (hereafter "Owner") do hereby agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 US.C. S12101 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 thereunto, 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 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 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 this Agreement or otherwise at law.

Name	(Please print or type)
Signature	Date

Bidders name:	

STATEMENT OF BIDDER'S QUALIFICATIONS

All questions must be answered and the data given must be clear and comprehensive. <u>This statement must be notarized.</u> Questions may be answered on separate attached sheets. The Bidder may submit any additional information it desires.

(Permane	nt Main Office Address)	_
(When Or	ganized)	_
(If a Corpo	pration, where incorporated)	_
Number o trade nam	f years your organization has been engaged in construction or contracting business und e?	der present
How many (b) As a s	years of experience in construction work has your organization had (a) as a general cubcontractor?	ontractor? /
	on hand: (Attach a list or table showing gross amounts of each Contract and the appro	priate dates
		_
		_
General c	haracter of work performed by you	
Have you	ever failed to complete any work awarded to you?	-
Have you	ever defaulted on a Contract? If so, complete details, including where a	nd why?

Bidders name:	

STATEMENT OF BIDDER'S QUALIFICATIONS - (continued)

List your major equipment a		ontract.		
Experience in the construct	ion work similar in	importance to this Proje	ct	_
		portanios to uno i rojo		_
Have you had any material		rom the trades as listed 		— sification withir
(5) years?		II 00, 110t pi		
Background and experience				ficers.
			Magnitude &	In What
Background and experience	e of the principal m	embers of your organiza	ation, including the of	,
Background and experience	e of the principal m Present Position	embers of your organize Yrs. of Construction	Magnitude &	In What
Background and experience	e of the principal m Present Position	embers of your organize Yrs. of Construction	Magnitude &	In What
Background and experience	e of the principal m Present Position	embers of your organize Yrs. of Construction	Magnitude &	In What
Background and experience	e of the principal m Present Position	embers of your organize Yrs. of Construction	Magnitude &	In What
Background and experience	e of the principal m Present Position	embers of your organize Yrs. of Construction	Magnitude &	In What

18.			ts any person, firm or corporation to furnish any information the responses comprising this Statement of Bidder's
19.	Bidder's telephone number, fax	number and e-m	ail address (if applicable).
	Phone	_	
	Fax	_	
	E-mail	_	
	Mobile	_	
Dated a	at	_ this	_day of _, 20
BIDDE	R (Signature)	_	
		_	
BIDDE	R (Print Name)		
Subscr	ibed and sworn to before me		
his	day of		, 20
Seal) I	Notary Public of New Jersey/		
,	-	Specify Other S	tate

Bidders name:

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

My Commission Expires _______, 20__.

Bidders name:	

CONTRACTOR PERFORMANCE RECORD

List all contracts completed by you below or provide separate form.

Name of Owner	Name & Location of Project: Type Of Work	Prime or Sub- Cont.	Engineer or Architect in Charge for Owner	Contract Price (Omit Cost)	Date Completed	Was Time* Extension Necessary	Were Any Penalties Imposed	Were Liens* Claims or Stop Notice Filed

^{*} If answer is YES, provide explanation of details in connection with non-completion of contracts, time extensions, penalties imposed, labor troubles, liens, claims and notices filed against contracts listed in preceding item "Performance Record" on an attached sheet.

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

Bidders name:	
---------------	--

CONTRACTOR PERFORMANCE RECORD CERTIFICATION

The information above is true and comp	lete to the best of my knowledge and belief.
	(Name of Organization)
	(Signature)
	(Title)
Subscribed and sworn to before me	
this day of	, 20
(Seal) Notary Public of New Jersey/	Specify Other State
My Commission Expires	, 20

Bidders name:	
Jiaaci Jilailic.	

AFFIDAVIT REGARDING LIST OF DEBARRED, SUSPENDED OR DISQUALIFIED BIDDERS

STATE OF NEW JERSEY /)	
STATE OF NEW JERSEY /	Specify, if Other) SS:	
COUNTY OF)	
I,		, of the (City, Town, Borough, etc.) o	f
State of	, of full age, being duly	, of the (City, Town, Borough, etc.) o sworn according to law on my oath depo	ose and say that:
I am	of the firm o	of	, the Bidder making
		of he said Proposal with full authority to do	
		sey State Treasurer's or the Federal Gov	
Debarred, Suspended or Disqual	ified Bidders as a result of ac	ction taken by any State or Federal Ager	icy.
		Name of Contractor	
	Bv:		
	- , . (Signatur	re of Authorized Representative)	
Subscribed and sworn to before i	ne		
	•		
this day of	, 20	0	
(Seal) Notary Public of New Jerse			
-	Specify Other State		
My Commission Expires	າ	20	
INIA COLLILIIOSIOLI EVALLES	, ∠	20 .	

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

Bidders name:	

PRIOR NEGATIVE EXPERIENCE QUESTIONNAIRE

(N.J.S.A. 40A:11-4)

1.	other contractually sti	pulated alternate dispo to complete a contract	en found, through either court adjudication, arbitration ute resolution mechanism, to have: failed to provide o in a timely manner; or otherwise performed unsatisfa	r perform goods
	yes	no	If yes, please provide full, detailed explanation.	_ _ _
2.			faulted on a contract, thereby requiring a public entity e goods or perform the services or to correct or comp	
	yes	no	If yes, please provide full, detailed explanation.	_ _
3.			faulted on a contract, thereby requiring a public entity ler of the costs of completion?	to look to your
	yes	no	If yes, please provide full, detailed explanation.	_ _
4.	department of the exe	ecutive branch of the S	en debarred or suspended from contracting with any of State of New Jersey at the time of the contract award, or goods or services with a public entity?	
	yes	no	If yes, please provide full, detailed explanation.	_
				_ _

Bidders name:	

PRIOR NEGATIVE EXPERIENCE CERTIFICATION

I hereby certify that the above statements are true	and accurate as of this	day of
, 20		
Name of Contractor		
D.,		
By(Signature of Authorized Representative)		
(Signature of Authorized Nepresentative)		
Subscribed and sworn to before me		
this day of	20	
day oi	, 20	
(Seal) Notary Public of New Jersey/		
Specify 0	Other State	
My Commission Expires	20	

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

Bidders	name.		
DIGUELS	manne.		

TO BE COMPLETED ONLY WHEN FINAL PAYMENT IS REQUESTED

CONTRACTOR'S CERTIFICATION OF COMPLIANCE - NEW JERSEY PREVAILING WAGE ACT

TO:	County of Union Division of Engineering	CONTRACT:
	2325 South Avenue	
	Scotch Plains, New Jersey 07076	
PROJ	ECT:	
	ordance with the requirements of the ctor on the public work being perforn	e New Jersey Prevailing Wage Act, N.J.S.A. 34:11-56 et al *, the undersigned ned for:
		COUNTY OF UNION
hereby wages	/ certifies that he/she has complied v established under "The New Jersey	with the contract requirements regarding the payment of the minimum prevailing Prevailing Wage Act" N.J.S.A. 34:11-56 et al.
	CONTRACTOR:	
	ADDRESS:	
	BY:	
		ORIGINAL SIGNATURE ONLY
	E OF NEW JERSEY	
Being	by me duly sworn according to law, o	on his oath deposes
and sa	ays thatisthe above nam	
	tne above nam cts set forth in the above statement a	
ino rac		
Subsc	ribed and sworn to before me	
this	day of	. 20 .
		
(Seal)	Notary Public of New Jersey/	
	Sı	pecify Other State
Му Со	mmission Expires	, 20

* N.J.S.A. 34:11-56.33 requires the contractor and subcontractor to file written statements with the public body in form satisfactory to the Commissioner certifying to the amounts then due and owing from such contractor and subcontractor filing such statement to any and all workmen for wages due on account of the public work, setting forth therein the names of the persons whose wages are unpaid and the amount due to each respectively. Union County will withhold the amount so deducted for the benefit of the workmen whose wages are unpaid as shown by the verified statement filed, and will pay directly to any workman the amount shown by such statement to be due to him for such wages. Such payment shall thereby discharge the obligation of the contractor to the person receiving such payment to the extent of the amount thereof.

Bidders	name.		
DIGUELS	manne.		

UNCOMPLETED CONTRACTS AFFIDAVIT

(To be Submitted with DPMC Form 701)

PURSUANT TO N.J.A.C. 17:19-2.13, BIDDER DECLARES THE FOLLOWING WITH RESPECT TO ITS UNCOMPLETED CONTRACTS, ON ALL WORK, FROM WHATEVER SOURCE (PUBLIC AND PRIVATE), BOTH IN NEW JERSEY AND FROM OTHER GOVERNMENTAL JURISDICTIONS

ENTITY	PROJECT TITLE	ORIGINAL CONTRACT AMOUNT	UNCOMPLETED AMOUNT AS OF BID OPENING DATE	NAME AND TELEPHONE NUMBER OF PARTY TO BE CONTACTED FROM ENTITY FOR VERIFICATION

TOTAL AMOUNT OF UNCOMPLETED CONTRACTS \$				
	BIDDER:			
	(Signature)			
	(Print Name)			
Subscribed and sworn to before m	e			
this day of	, 20			
(Seal) Notary Public of New Jersey	Specify Other State			
My Commission Expires	, 20			

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

CERTIFICATE OF INSURANCE STATEMENT

The Bidder fully understands the County of Union insurance requirements as stated in the Instructions to Bidders as well as the Owner/Contractor Agreement and agrees to provide all insurance required by these documents <u>prior</u> to the issuance of the Notice to Proceed.

BIDDER (Signature)	
DIDDEIT (Gignaturo)	
BIDDER (Print Name)	

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

COLLECTION OF USE TAX ON SALES TO LOCAL GOVERNMENTS STATEMENT

The Bidder fully understands the requirements of the use tax on sales to local governments as stated in the General Conditions to the Contract for Construction and the Instructions to Bidders, and agrees at all times to comply with the "Contractor Use Tax Collection Legislation", as defined therein, and the terms relating thereto contained in the Contract Documents.

BIDDER (Signature)	
,	
BIDDER (Print Name)	

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.

Bidders name:	

TIME OF COMPLETION

The undersigned proposed that if awarded the	he Contract, the	e scope of work will be started within ten (10)
calendar days and will be substantially comp	oleted within	180 calendar days from the date of
the notice to proceed.		
I,of _ NAME (Print or type)	OOMBANN	Υ
NAME (Print or type)	COMPANY	Y
Agree to complete work in the time frame sp	ecified	
		SIGNATURE
SITE VISIT – GENERAL CONTRACTOR		
I, of		
I,of _ NAME (Print or type)	COMPANY	Υ
Visited the site of the work on		
		SIGNATURE

Bidders name:	
Diuucis Haille.	

COUNTY OF UNION NEW JERSEY Division of Purchasing DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

Solici	itation Number:	Vendor/Bidder:
		PART 1 CERTIFICATION ER MUST COMPLETE PART 1 BY CHECKING ONE OF THE BOXES ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE
completis identical Chapter prior to Directo provide	te the certification below to attest, und ified on the State of New Jersey, Depa r 25 list is found on the Department's completing the below certification. F r of the Division of Purchase and Prop	on or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must be peralty of perjury, that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates, trent of the Treasury's Chapter 25 list as a person or entity engaged in investment activities in Iran. The website at http://www.state.nj.us/treasury/pdf/Chapter25List.pdf . Vendors/Bidders must review this list cillure to complete the certification will render a Vendor's/Bidder's proposal non-responsive. If the erty finds a person or entity to be in violation of the law, s/he shall take action as may be appropriate and but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in of the party. CHECK THE APPROPRIATE BOX
OR	or affiliates is listed on the N.J. Dep	c Law 2012, c.25, that neither the Vendor/Bidder listed above nor any of its parents, subsidiaries, artment of Treasury's list of entities determined to be engaged in prohibited activities in Iran er 25 List"). Disregard Part 2 and complete and sign the Certification below.
	listed on the Department's Chapter and sign and complete the Certifica	bove because the Vendor/Bidder and/or one or more of its parents, subsidiaries, or affiliates is 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below ion below. Failure to provide such information will result in the proposal being rendered as alties, fines and/or sanctions will be assessed as provided by law.
	checked Box "B" above, provide a	PART 2 ONAL INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN detailed, accurate and precise description of the activities of the Vendor/Bidder, or one of its in investment activities in Iran by completing the information below.
RELA' DESCI DURA ANTIC VEND VEND	TY NAME: TIONSHIP TO VENDOR/BIDDE RIPTION OF ACTIVITIES: TION OF ENGAGEMENT: CIPATED CESSATION DATE: OR/BIDDER CONTACT NAME OR/BIDDER CONTACT PHONI Additional Sheets If Necessary	#:
attachm informa any con that it is the law,	nents hereto, to the best of my know ation contained herein, and that the Ve atract(s) with the County of Union to n is a criminal offense to make a false sta	CERTIFICATION ed to execute this certification on behalf of the Vendor/Bidder, that the foregoing information and any edge are true and complete. I acknowledge that the County of Union, New Jersey is relying on the idor/Bidder is under a continuing obligation from the date of this certification through the completion of tify the County of Union in writing of any changes to the information contained herein; that I am aware ement or misrepresentation in this certification. If I do so, I will be subject to criminal prosecution under of my agreement(s) with the County of Union, permitting the County of Union to declare any contract(s) forceable.
Signatu	ure	Date
Print N	ame and Title	

B - 35

Revised: 2024-05-24 Revised 10/19/17



Bidders name:

CERTIFICATION OF NON-INVOLVEMENT IN PROHIBITIED ACTIVITIES IN RUSSIA OR BELARUS

Pursuant to N.J.S.A. 52:32-60.1, et seq. (L. 2022, c. 3) any person or entity (hereinafter "Vendorⁱ") that seeks to enter into or renew a contract with a State agency for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: https://sanctionssearch.ofac.treas.gov/. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

		(Check the Appropriate Box)
0	A.	That the Vendor is not identified on the OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus.
		OR
	В.	That I am unable to certify as to "A" above, because the Vendor is identified on the OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus.
		OR
	C.	That I am unable to certify as to "A" above, because the Vendor is identified on the OFAC Specially Designated Nationals and Blocked Persons list. However, the Vendor is engaged in activity related to Russia and/or Belarus consistent with federal law, regulation, license or exemption. A detailed description of how the Vendor's activity related to Russia and/or Belarus is consistent with federal law is set forth below.
		(Attach Additional Sheets If Necessary.)

Signature of Vendor's Authorized Representative	Date
Print Name and Title of Vendor's Authorized Representative	Vendor's FEIN
Vendor's Name	Vendor's Phone Number
Vendor's Address (Street Address)	Vendor's Fax Number
Vendor's Address (City/State/Zip Code)	Vendor's Email Address

NJ Rev. 1.22.2024

ⁱ Vendor means: (1) A natural person, corporation, company, limited partnership, limited liability partnership, limited liability company, business association, sole proprietorship, joint venture, partnership, society, trust, or any other nongovernmental entity, organization, or group; (2) Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act, 22 U.S.C. 262r(c)(3); or (3) Any parent, successor, subunit, direct or indirect subsidiary, or any entity under common ownership or control with, any entity described in paragraph (1) or (2).

Bidders na	ame:	

STANDARD BID DOCUMENT REFERENCE		
Name of Form:	FEDERAL NON-DEBARMENT CERTIFICATION	
Statutory Reference:	N.J.S.A. 52:32-44.1 (P.L. 2019, c.406)	
Description:	Meets statutory criteria for certification of non-debarment by a federal government agency.	

Summary of the Certification Requirements under N.J.S.A. 52:32-44.1

Pursuant to state law any natural person, company, firm, association, corporation, or other entity prohibited, or "debarred," from contracting with the federal government agencies, shall also be prohibited from contracting for public work in the state of New Jersey. This prohibition also extends to any affiliate organization(s) held by or subject to the control of an entity of that prohibited person or entity.

Prior to awarding a contract for public work a local units must obtain written certification from the contracting person or entity through the form below, attesting to their non-debarment from contracting with federal government agencies. Contracting units are reminded that they must fill-in the boilerplate information in the certification sections of Parts II through IV regarding their name and type of contracting unit before using the form.

Bidders name:	
Jiaaci Jilailic.	

CERTIFICATION OF NON-DEBARMENT

FOR FEDERAL GOVERNMENT CONTRACTS

N.J.S.A. 52:32-44.1 (P.L. 2019, c.406)

This certification shall be completed, certified to, and submitted to the contracting unit prior to contract award, except for emergency contracts where submission is required prior to payment.

PART I: VENDOR INFORMATION

Individual or Organization Nam	ne					
Physical Address of Individual or Organization	of					
Unique Entity ID)					
(if applicable)						
CAGE/NCAGE Co	ode					
(if applicable)						
(Check	the box that	represents the	type of bus	iness org	anization:
□Sole Prop	prietors	ship (skip Par	ts III and IV)	Non-Profit	Corporati	on (skip Parts III and IV)
□For-Pr	rofit Co	orporation (an	y type) □Lim	ited Liability	y Compar	ny (LLC) Partnership
□Limited Partnership □Limited Liability Partnership (LLP)						
□Other (be specific):						
PART II – 0	CERT	TFICATION	OF NON-DE	BARMENT	: Individ	ual or Organization
I hereby certify that the individual or organization listed above in Part I is not debarred by the federal government from contracting with a federal agency. I further acknowledge: that I am authorized to execute this certification on behalf of the above-named organization; that the County of Union is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the date of contract award by the County of Union to notify the County of Union in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the County of Union, permitting the County of Union to declare any contract(s) resulting from this certification void and unenforceable.						
Full Name (Print):					Title:	
Signature:					Date:	

Bidders	name.		

PART III - CERTIFICATION OF NON-DEBARMENT: Individual or Entity Owning Greater than 50 Percent of Organization Section A (Check the Box that applies) Below is the name and address of the stockholder in the corporation who owns more than 50 percent of its voting stock, or of the partner in the partnership who owns more than 50 percent interest therein, or of the member of the limited liability company owning more than 50 percent interest therein, as the case may be. Name of Individual or Organization **Physical Address** OR No one stockholder in the corporation owns more than 50 percent of its voting stock, or no partner in the partnership owns more than 50 percent interest therein, or no member in the limited liability company owns more than 50 percent interest therein, as the case may be. Section B (Skip if no Business entity is listed in Section A above) Below is the name and address of the stockholder in the corporation who owns more than 50 percent of the voting stock of the organization's parent entity, or of the partner in the partnership who owns more than 50 percent interest in the organization's parent entity, or of the member of the limited liability company owning more than 50 percent interest in organization's parent entity, as the case may be. Stockholder/Partner/Membe r Owning Greater Than 50 **Percent of Parent Entity Physical Address** OR No one stockholder in the parent entity corporation owns more than 50 percent of its voting stock, no partner in the parent entity partnership owns more than 50 percent interest therein, or no member in the parent entity limited liability company owns more than 50 percent interest therein, as the case may be.

Bidders name:	
Diducis Haille.	

Section C – Part III Certification			
Section C – Part III Ce	rtification		
contracting with a fed if applicable, owns grecertification on behalf information contained through the date of cochanges to the inform statement or misrepret the law and that it will	o individual or organization that is debarred by eral agency owns greater than 50 percent of the ater than 50 percent of a parent entity of <name a="" above-named="" acconstitute="" agreement="" am="" and="" any="" aware="" breach="" certification,="" coherein="" contained="" continuing="" contract(s)="" declare="" do="" esentation="" for<="" herein;="" i="" if="" in="" it="" material="" my="" obligation="" of="" organization;="" resulting="" so,="" td="" that="" the="" this="" to="" under="" union=""><td>ne Organia me of org that I amounty of U tation from the Coun is a crimi am subject t(s) with t</td><td>zation listed above in Part I or, anization> a authorized to execute this nion is relying on the m the date of this certification by of Union in writing of any nal offense to make a false to criminal prosecution under the County of Union,</td></name>	ne Organia me of org that I amounty of U tation from the Coun is a crimi am subject t(s) with t	zation listed above in Part I or, anization> a authorized to execute this nion is relying on the m the date of this certification by of Union in writing of any nal offense to make a false to criminal prosecution under the County of Union,
Full Name (Print):		Title:	
Signature:		Date:	
Part IV – CERTIFICATION OF NON-DEBARMENT: Contractor – Controlled Entities			

Part IV – CERTIFICATION OF NON-DEBARMENT: Contractor – Controlled Entities			
	S	Section A	
	listed in Part I owns more to in which the Organization I therein, or of the limited lia	ress of the corporation(s) in which the Organization than 50 percent of voting stock, or of the partnership(s) isted in Part I owns more than 50 percent interest ability company or companies in which the Organization more than 50 percent interest therein, as the case may	
Name of Business Entity Physical Address			
Add additional sheets if necessary			
OR			
	_	ove in Part I does not own greater than 50 percent of the tion and does not own greater than 50 percent interest mited liability company.	

		Bidders name:	
Sec	tion B (skip if no business e	ntities are listed in Section A of Part IV)	
0	Below are the names and addresses of any entities in which an entity listed in Part III A owns greater than 50 percent of the voting stock (corporation) or owns greater than 50 percent interest (partnership or limited liability company).		
	Entity Controlled by Entity ection A of Part IV	Physical Address	
Add additional She	eets if necessary		
		OR	
0	· ·	owns greater than 50 percent of the voting stock in any er than 50 percent interest in any partnership or limited	
Section C – Part IV Certification			
entity that that is debtapplicable, does not do any entity debarred backnowledge: that I at that the County of Ur obligation from the donotify the County of Ut that it is a criminal of	parred by the federal government from greater than 50 percent of the federal government from authorized to execute this nion is relying on the informatiate of this certification through Jnion in writing of any change fense to make a false statement.	ein Part I does not own greater than 50 percent of any ment from contracting with a federal agency and, if of any entity that in turns owns greater than 50 percent of om contracting with a federal agency. I further certification on behalf of the above-named organization; tion contained herein and that I am under a continuing gh the date of contract award by the County of Union to es to the information contained herein; that I am aware ent or misrepresentation in this certification, and if I do so, and that it will constitute a material breach of my	

Revised: 2024-05-24

agreement(s) with the County of Union, permitting the County of Union to declare any contract(s) resulting

Title:

Date:

from this certification void and unenforceable.

Full Name (Print):

Signature:

BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION

(To be submitted with each bid, proposal or offer exceeding \$100,000)

The undersigned, [Company]	_ certifies, to the best of his or her knowledge,
that:	
1. No Federal appropriated funds have been paid or will be paperson for influencing or attempting to influence an officer or employee of Congress, or an employee of a Member of any Federal contract, the making of any Federal grant, the making cooperative agreement, and the extension, continuation, renewal, contract, grant, loan, or cooperative agreement.	loyee of an agency, a Member of Congress, an Congress in connection with the awarding of g of any Federal loan, the entering into of any
2. If any funds other than Federal appropriated funds have influencing or attempting to influence an officer or employee of a or employee of Congress, or an employee of a Member of Congresant, loan, or cooperative agreement, the undersigned shall compressed in the Congress of the Congr	ny agency, a Member of Congress, an officer ress in connection with this Federal contract, complete and submit Standard Form - LLL,
3. The undersigned shall require that the language of this certificati subawards at all tiers (including subcontracts, subgrants, and coagreements) and that all subrecipients shall certify and disclose according to the subgrants of the subgrants.	ontracts under grants, loans, and cooperative
This certification is a material representation of fact upon which r made or entered into. Submission of this certification is a prerequis imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disc file the required certification shall be subject to a civil penalty of not for each such failure.	ite for making or entering into this transaction losure Act of 1995). Any person who fails to
The Contractor, [Company], certifies of statement of its certification and disclosure, if any. In addition, the provisions of 31 U.S.C. § 3801 et seq., apply to this certification are	
Signature of Contractor's Authorized Representative	_
Name and Title of Contractor's Authorized Representative	_
Date	

Bidders	name:		

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents of all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, United States Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Organization:		_
Street address:		-
City, State, Zip:		-
CERTIFIED BY: (type or print)		
TITLE:		
(signature)	(date)	

DISCLOSURE OF LOBBYING ACTIVITIES (LLL Form)
Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352 0348-0046

IN/ E	A – My agency does no	s not engage in any lobbying activities				
1. Type of Federal Action:	2. Status of Federal	Action:	3. Report Type:			
a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	a. bid/offer b. Initial av c. Post-awa		a. initial filing b. material change For Material Change Only: year quarter date of last report			
4. Name and Address of Reporting Entity Prime Subawa Tier		5. If Reporting Entity in NO.4 is a Subawardee, enter Name and Address of Prim:				
Congressional District, if known:		Congressional Dist	trict, if known:			
6. Federal Department/Agency: 8. Federal Action Number, if known:		7. Federal Program Name/Description: CDFA NUMBER, if applicable 9. Award Amount, if known:				
10. a. Name and address of Lobbying Reg (if individual, last name, first name		b. Individuals Performing Services (including address if different from No. 10a) (las name, first name, MI):				
11. Information request through this form is 31 U.S.C. Section 1352. This disclosure of a material representation of fact upon which by the tier above when this transaction was a This disclosure is required pursuant to 31 information will be available for public ins who fails to file the required disclosure shall penalty of not less than \$10,000 and not more each such failure.	lobbying activities is h reliance was placed made or entered into. 1 U.S.C. 1352. This spection. Any person ll be subject to a civil	Print Name: Title: Telephone NO.:				
Federal Use Only:			Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)			

Bidder's N	ame	

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer of employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a Federal action.
- 2. Identify the status of the covered Federal action.
- 3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
- 4. Enter the full name, address, city, state and zip code of the reporting entity include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
- 5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
- 6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
- 7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
- 8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract, grant, or loan award number, the application/proposal control number assigned by the Federal agency.) Include prefixes, e.g. "RFP-DE-90-001."
- 9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
- 10. A) Enter the full name, address, city, state and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.
 - B) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter last name, first name and middle initial (MI).
- 11. The certifying official shall sign and date the form; print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-10046), 'Washington, DC 20503.

STANDARD SPECIFICATIONS

The Standard Specifications for Road and Bridge Construction of New Jersey Department of Transportation, 2019 Edition; is added to and/or amended elsewhere herein by the Notice to Contractors (Advertisement), Proposal, Information for Bidders, General Conditions, Supplemental Conditions, Project Plans, and Supplementary Specifications; shall, insofar as technical requirements are involved, govern in the execution of this project.

Such Standard Specifications are made a part of these Specifications by this reference and will not be repeated herein. It is the responsibility of prospective bidders to familiarize themselves with these Standard Specifications, copies of which may be examined at the office of the Engineer and may be obtained, upon payment of the cost thereof, from:

Department of Transportation State of New Jersey 1035 Parkway Avenue Trenton, New Jersey 08625

The Notice to Contractors (Advertisement), Proposal, General Conditions, Special Provisions, Project Plans and/or Supplementary Specifications shall govern and prevail in the case of conflict between them and the Standard Specifications.

In these Standard Specifications the words "COMMISSIONER" or "DEPARTMENT" shall refer to and mean the person, persons, body, board or agent legally empowered to enter into contracts and otherwise legally act for the Owner. The word "STATE" shall refer to and mean the professional engineering representative of the Owner as hereinbefore defined and the word "ENGINEER" shall refer to and mean the professional engineering representative of the Owner as hereinbefore defined and the word "INSPECTOR" shall mean the authorized project representative of the Engineer with the authority as hereinbefore defined. The word "LABORATORY" shall mean and refer to the Engineer who may, at his discretion, and with the consent of the Owner, employ qualified technical personnel or testing laboratories to assist him in fulfilling the duties normally assigned to the "LABORATORY" in these Standard Specifications.

When reference is made herein to the bulletins, standards, specifications, publications or requirements of the American Association of State Highway Official (AASHO), the American Concrete Institute (ACI), the American Society of Civil Engineers (ASCE) or similar national or regional societies, associations, institutes or organizations; the requirements of the bulletins, specifications, publications or requirements referred to shall be considered a part of these Specifications by such reference and shall not be repeated herein but shall have the same import and be as binding as if herein set forth in full.



STATE OF NEW JERSEY

Department of Labor and Workforce Development
Division of Wage and Hour Compliance - Public Contracts Section
PO Box 389
Trenton, NJ 08625-0389

PREVAILING WAGE RATE DETERMINATION

The New Jersey Prevailing Wage Act (N.J.S.A. 34:11-56.25 et seq.) requires that the Department of Labor and Workforce Development establish and enforce a prevailing wage level for workers engaged in public works in order to safeguard their efficiency and general well being and to protect them as well as their employers from the effects of serious and unfair competition.

Prevailing wage rates are wage and fringe benefit rates based on the collective bargaining agreements established for a particular craft or trade in the locality in which the public work is performed. In New Jersey, these rates vary by county and by the type of work performed.

Applicable prevailing wage rates are those wages and fringe benefits in effect on the date the contract is awarded. All pre-determined rate increases listed at the time the contract is awarded must also be paid, beginning on the dates specified. Rates that have expired will remain in effect until new rates are posted.

Prevailing Wage Rate

The prevailing wage rate for each craft will list the effective date of the rate and the following information:

W =Wage Rate per Hour

B = Fringe Benefit Rate per Hour*

T = Total Rate per Hour

* Fringe benefits are an integral part of the prevailing wage rate. Employers not providing such benefits must pay the fringe benefit amount directly to the employee each payday. Employers providing benefits worth less than the fringe benefit amount must pay the balance directly to the employee each payday.

Unless otherwise stated in the Prevailing Wage Rate Determination, the fringe benefit rate for overtime hours remains at the straight time rate.

When the Overtime Notes in the Prevailing Wage Rate Determination state that the overtime rates are "inclusive of benefits," the benefit rate is increased by the same factor as the wage rate (i.e. multiplied by 1.5 for time and one-half, multiplied by 2 for double time, etc.).

Apprentice Rate Schedule

An "apprentice" is an individual who is registered with the United States Department of Labor - Office of Apprenticeship and enrolled in a certified apprenticeship program during the period in which they are working on the public works project.

The apprentice <u>wage</u> rate is a percentage of the journeyman wage rate, unless otherwise indicated. The apprentice <u>benefit</u> rate is the full journeyman benefit rate, unless otherwise indicated.

If there is no apprentice rate schedule listed, the individual must be paid at least the journeyman rate even if that individual is in a certified apprentice program for that trade.

If there is no ratio of apprentices to journeymen listed for a particular craft, then the ratio shall be one (1) apprentice to every four (4) journeymen.

8/21/2024 Page 1 of 73

Comments/Notes

For each craft listed there will be comments/notes that cover the definition of the regular workday, shift differentials, overtime, recognized holidays, and any other relevant information.

Public Works Contractor Registration

The Public Works Contractor Registration Act (N.J.S.A. 34:11-56.48, et seq.) requires that **all** contractors, subcontractors, or lower tier subcontractors who are working on or who bid on public works projects register with the Department of Labor and Workforce Development. Applications are available at www.nj.gov/labor (click on Wage & Hour and then go to Registration & Permits).

Pursuant to N.J.S.A. 34:11-56.51:

No contractor shall bid on any contract for public work as defined in section 2 of P.L.1963, c. 150 (C.34:11-56.26) unless the contractor is registered pursuant to this act. No contractor shall list a subcontractor in a bid proposal for the contract unless the subcontractor is registered pursuant to P.L.1999, c.238 (C.34:11-56.48 et seq.) at the time the bid is made. No contractor or subcontractor, including a subcontractor not listed in the bid proposal, shall engage in the performance of any public work subject to the contract, unless the contractor or subcontractor is registered pursuant to that act.

Snow Plowing

Snow plowing contracts are <u>not</u> subject to the New Jersey Prevailing Wage Act or the Public Works Contractor Registration Act.

8/21/2024 Page 2 of 73

County - UNION

Craft: Air Conditioning & Refrigeration - Service and Repair

PREVAILING WAGE RATE

	03/01/24
Journeyman (Mechanic)	W45.23
	B30.03
	T75.26

Craft: Air Conditioning & Refrigeration - Service and Repair

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
As Shown	1st Year	2nd Year	3rd Year	4th Year	5th Year	Wage = %	of Jnymn	Wage			
Wage and Bene	40%	50%	60%	70%	80%	Bene = %	of Jnymn	Bene			

Ratio of Apprentices to Journeymen - 1:4

Craft: Air Conditioning & Refrigeration - Service and Repair

COMMENTS/NOTES

THESE RATES MAY BE USED FOR THE FOLLOWING:

- Service/Repair/Maintenance Work to EXISTING facilities.
- Replacement or Installation of air conditioning and refrigeration equipment when the combined tonnage does not exceed 15 tons for refrigeration, or 25 tons for air conditioning.
- Replacement or Installation of "packaged" or "unitary" rooftop-type units when the combined tonnage of the units does not exceed 75 tons.

NOTE: These rates may NOT be used for any work in new construction (including work on new additions).

The regular workday shall consist of 8 hours, starting between 6:00 AM and 10:00 AM, Monday through Friday.

SHIFT DIFFERENTIALS:

- The second and third shifts shall be paid an additional 15% of the hourly rate.
- All shifts must run for a minimum of 5 consecutive days.

OVERTIME:

Hours worked in excess of 8 per day or before or after the regular workday, that are not shift work, and all hours on Saturday shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 3 of 73

County - UNION

Craft: Boilermaker PREVAILING WAGE RATE

	01/12/24
Foreman	W54.11
	B47.08
	T101.19
General Foreman	W56.11
	B48.14
	T104.25
Journeyman	W49.11
	B45.31
	T94.42
I .	I

Craft: Boilermaker APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
1000 Hours	65%	70%	75%	80%	85%	90%	95%				
Benefit =	38.33	39.30	40.32	41.31	42.32	43.32	44.30				

Ratio of Apprentices to Journeymen - *

* 1 apprentice will be allowed for the first 5 journeymen, 1 apprentice for the next 10 journeymen and 1 apprentice for each succeeding 20 journeymen up to a maximum of 5 apprentices per contractor on any one job.

Craft: Boilermaker COMMENTS/NOTES

HIGH WORK: All apprentices working on the erection, repair, or dismantling of smoke stacks, standpipes, or water towers shall be paid the Journeyman rate.

The regular workday shall consist of 8 hours, between 8:00 AM and 4:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall work 7? hours and receive 8 hours pay, at a rate equal to the regular hourly rate plus 10%.
- The third shift shall work 7 hours and receive 8 hours pay, at a rate equal to the regular hourly rate plus 20%.
- For "Municipal Water Works" projects only, the following shall apply: Two, four day, 10 hour shifts may be worked at straight time Monday through Thursday. The day shift shall work four days, at 10 hours, for 10 hours pay. The second shift shall work four days, at nine and a half hours, for 10 hours pay, plus 10% the hourly rate for new work and .25 cents on repair work. Friday may be used as a make-up day at straight time, due to weather conditions, hoilday or any other circumstances beyond the employer's control.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays (except Labor Day) shall be paid at double the hourly rate. All hours on Labor Day shall be paid at four times the hourly rate.
- If any other craft employed by the same contractor, or a subcontractor thereof, receives double time in lieu of time and one-half, then the Boilermaker shall receive double time in lieu of time and one-half.
- For "Municipal Water Works" projects only, the following shall apply: Four 10 hour days may be worked Monday through Thursday at straight time. Friday may be used as a make-up day for a day lost to inclement weather, holiday or other conditions beyond the control of the employer. Overtime shall be paid for any hours that exceed 10 hours per day or 40 hours per week.

8/21/2024 Page 4 of 73

County - UNION

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 5 of 73

County - UNION

Craft: Boilermaker - Minor Repairs PREVAILING WAGE RATE

	01/12/24
Foreman	W35.88
	B17.89
	T53.77
General Foreman	W36.38
	B17.89
	T54.27
Mechanic	W34.38
	B17.89
	T52.27
I .	I

Craft: Boilermaker - Minor Repairs

COMMENTS/NOTES

NOTE: These rates apply to MINOR REPAIR WORK ONLY (repair work in the field for which the contract amount does not exceed \$125,000.00), for boilers that do not produce electric or are not used in the heating of petroleum products.

OVERTIME:

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays (except Labor Day) shall be paid at double the hourly rate. All hours on Labor Day shall be paid at four times the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Thanksgiving Day, day after Thanksgiving, Christmas Day. Saturday holidays observed the following Monday.

8/21/2024 Page 6 of 73

County - UNION

Craft: Bricklayer, Stone Mason PREVAILING WAGE RATE

	05/09/24
Deputy Foreman	W51.60
	B37.68
	T89.28
Foreman	W56.35
	B37.68
	T94.03
Journeyman	W48.60
	B37.68
	T86.28

Craft: Bricklayer, Stone Mason APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES										
6 Months	40%	50%	55%	60%	65%	70%	75%	80%				
Benefits	5.61	6.88	7.50	8.13	28.95	30.86	32.78	34.67				

Ratio of Apprentices to Journeymen - 1:5

Craft: Bricklayer, Stone Mason COMMENTS/NOTES

The regular workday shall consist of 8 hours, between 6:00 AM and 4:30 PM.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule (including a day shift) is established, the first, or day shift, shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 10%, inclusive of benefits
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 10%, inclusive of benefits, and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 10%, inclusive of benefits, and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When an irregular shift must be established, this shift shall receive the regular rate plus 10%, inclusive of benefits.

OVERTIME:

- The first 2 hours in excess of 8 per day, or before or after the regular workday that are not shift work, Monday through Friday, shall be paid at time and one-half the regular rate, inclusive of benefits. Any additional overtime shall be paid at double the regular rate, inclusive of benefits. The first 10 hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. Any additional overtime shall be paid at double the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Saturday may be used as a make-up day for hours lost to inclement weather.
- When Bricklayers/Stone Masons work on Saturday with Laborers, and no other crafts are working on the project for the day, benefits may be paid at straight time. If other crafts are present, the applicable overtime rate for benefits shall be paid.

8/21/2024 Page 7 of 73

County - UNION

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

8/21/2024 Page 8 of 73

County - UNION

Craft: Carpenter PREVAILING WAGE RATE

	05/09/24
Foreman	W64.41 B38.73 T103.14
Journeyman	W56.01 B33.76 T89.77

Craft: Carpenter APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
Yearly	40%	55%	65%	80%	90%						
Benefit	59.25% of	Appren	tice	Wage Rate	for all	intervals	+ \$0.57				

Ratio of Apprentices to Journeymen - 1:3

For Solar installation- all work on solar projects that fall under the jurisdiction of the carpenters, and does not require an electrician, the ratio of Apprentices to Journeymen shall be 1:1.

Craft: Carpenter COMMENTS/NOTES

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES REGISTERED AS OF 5-1-19:

INTERVAL PERIOD AND RATES

Yearly 40% 55% 65% 80%

Benefits 59.25% of apprentice wage rate for all intervals + \$0.57

FOREMAN REQUIREMENTS:

- When there are 2 or more Carpenters on a job, 1 shall be designated as a Foreman.
- When there are 21 or more Carpenters on a job, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours, starting between 6:00 AM and 9:00 AM.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 10%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 10% and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 10% and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When an irregular shift must be established, this shift shall receive the regular rate plus 15%, inclusive of benefits.
- All time worked before and after a regularly established shift shall be paid at the applicable overtime rate. When a portion of the regularly established shift works into Saturday, Sunday or a holiday, that time worked shall be paid at the established shift rate.

OVERTIME:

8/21/2024 Page 9 of 73

County - UNION

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans' Day may be substituted for the day after Thanksgiving.

8/21/2024 Page 10 of 73

County - UNION

Craft: Carpenter - Resilient Flooring PREVAILING WAGE RATE

	05/01/24
Foreman	W64.41 B38.64 T103.05
Journeyman	W56.01 B33.67 T89.68

Craft: Carpenter - Resilient Flooring APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES										
Yearly	40%	55%	65%	80%	90%							
Benefit	59.25%	of	Appren	tice	Wage Rate	for all	intervals	+ \$0.48				

Ratio of Apprentices to Journeymen - *

Craft: Carpenter - Resilient Flooring

COMMENTS/NOTES

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES REGISTERED AS OF 5-1-19:

INTERVAL PERIOD AND RATES Yearly 40% 55% 65% 80%

Benefits 59.25% of apprentice wage rate for all intervals + \$0.48.

FOREMAN REQUIREMENTS:

- On any job where there are 4 or more Carpenters of Resilient Flooring, 1 must be designated a Foreman.

FOR SYNTHETIC TURF INSTALLATION ONLY:

- The rate shall be 90% of the wage and benefit rate.

The regular workday consists of 8 hours, starting between 6:00 AM and 9:00 AM.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule (including a day shift) is established, the day shift, shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular wage rate plus 10%.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular wage rate, the second shift shall receive the regular wage rate plus 10% and the third shift shall receive the regular wage rate plus 15%.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular wage rate plus 10% and the third shift shall receive the regular wage rate plus 15%.
- When an irregular shift must be established, this shift shall receive the regular rate plus 15%, inclusive of benefits.

OVERTIME:

- Hours in excess of 8 per day or 40 per week, or before or after the regular workday, Monday through Friday, shall be paid at time and one-half the wage rate. Saturday may be used as a make-up day, at straight time, up to 8 hours, for hours lost to reasons beyond the control of the employer, up to a total of 40 hours per week; hours in excess of 8 on Saturday shall

8/21/2024 Page 11 of 73

^{* 1} apprentice shall be allowed to every 2 journeymen or major fraction therof. No more than 3 apprentices on any one job or project.

County - UNION

then be paid at time and one-half the wage rate. If Saturday is not a make-up day, all hours on Saturday shall be paid at time and one-half the wage rate. All hours on Sundays and holidays shall be paid at double the wage rate.

- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for hours lost to reasons beyond the control of the employer. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the wage rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. Veterans' Day may be substituted for the day after Thanksgiving.

8/21/2024 Page 12 of 73

County - UNION

Craft: Carpenter-Residential Construction

PREVAILING WAGE RATE

	05/09/24
Foreman	W54.29 B11.99 T66.28
Journeyman	W47.21 B11.14 T58.35

Craft: Carpenter-Residential Construction

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
Yearly	40%	55%	65%	80%							
Benefit	12% of	Appren	tice	wage rate	for all	intervals	+ \$5.48				

Ratio of Apprentices to Journeymen - 1:3

Craft: Carpenter-Residential Construction

COMMENTS/NOTES

FOREMAN REQUIREMENTS:

- When there are 2 or more Carpenters on a job, 1 shall be designated as a Foreman.
- When there are 21 or more Carpenters on a job, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours, starting between 6:00 AM and 9:00 AM.

RESIDENTIAL CONSTRUCTION:

All residential construction (excluding commercial buildings and institutional housing), no more than four (4) floors in height above grade consisting of those projects involving the construction, alteration, or repair of town houses or row houses, single family homes, mobile homes, multi-family homes, mixed-use buildings that include commercial space on the first floor or below grade, and apartment buildings.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 10%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 10% and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 10% and the third shift shall receive the regular rate plus 15%, inclusive of banefits
- When an irregular shift must be established, this shift shall receive the regular rate plus 15%, inclusive of benefits.

OVERTIME:

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a

8/21/2024 Page 13 of 73

County - UNION

day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans' Day may be substituted for the day after Thanksgiving.

8/21/2024 Page 14 of 73

County - UNION

Craft: Cement Ma	ason P	REVAILING WAGE RAT	E			
See "B	ricklayer, Stone Mason"	Rates				
Craft: Cement Ma	ason A	PPRENTICE RATE SCH	EDULE			
INTERVAL	PERIO	OD AND RATES				
Ratio of Apprentic	es to Journeymen - 1:4	•	+			
Craft: Cement M	ason C	COMMENTS/NOTES				
***See "Bricklayer	, Stone Mason" Rates** [*]					

8/21/2024 Page 15 of 73

County - UNION

Craft: Commercial Painter PREVAILING WAGE RATE

	05/29/24
Foreman	W48.90
	B30.71
	T79.61
General Foreman	W53.34
	B30.71
	T84.05
Journeyman	W44.45
	B30.71
	T75.16
	1

Craft: Commercial Painter APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES										
6 Months	40%	45%	55%	65%	70%	75%	80%	80%				
Benefits	9.40	9.40	11.90	11.90	13.00	13.00	15.90	15.90				

Ratio of Apprentices to Journeymen - 1:4

Craft: Commercial Painter COMMENTS/NOTES

* Commercial Painters perform work on all commercial structures such as offices, schools, hotels, shopping malls, restaurants, condominiums, etc.

Spraying, sandblasting, lead abatement work on commercial buildings, work performed above 3 stories or 30 feet in height, or using swing scaffolds requires an additional 10% of the wage rate.

FOREMEN REQUIREMENTS:

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

OVERTIME:

- Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, General Election Day,

8/21/2024 Page 16 of 73

County - UNION

Veterans' Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 17 of 73

County - UNION

Craft: Diver PREVAILING WAGE RATE

	05/01/24
Diver	W64.72 B52.74 T117.46
Tender	W52.98 B52.74 T105.72

Craft: Diver COMMENTS/NOTES

NOTE: All dive crews must consist of a Tender, a Diver, and a standby Diver (standby Diver is the same rate as a Diver).

DEPTH & PENETRATION RATES: Divers shall be paid the following depth and penetration rates, in addition to the regular hourly rate, when applicable:

AIR DIVES: MIXED GAS DIVES:

PENETRATION DIVES:

126-200 feet: + \$1.50 per foot 201-275 feet: + \$1.75 per foot 276-350 feet: + \$2.00 per foot 351-425 feet: + \$2.50 per foot

SHIFT DIFFERENTIAL:

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis and receive an additional 113% of the wage rate.
- When a three shift schedule is established, all three shifts shall be established on an 8 hour basis, but the second and third shifts shall receive an additional 113% of the wage rate.
- Benefits on shift work shall be paid at the straight-time rate.

OVERTIME:

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day, Christmas Day. Veterans' Day may be switched with the day after Thanksgiving.

8/21/2024 Page 18 of 73

County - UNION

Craft: Dockbuilder/Pile Driver PREVAILING WAGE RATE

	05/01/24
Foreman	W60.93 B52.74 T113.67
Foreman (Concrete Form Work)	W59.82 B39.39 T99.21
Journeyman	W52.98 B52.74 T105.72
Journeyman (Concrete Form Work)	W52.02 B39.39 T91.41

Craft: Dockbuilder/Pile Driver APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
Yearly	21.19	.19 26.49 34.44 42.38									
Benefits	34.70	for all	intervals								

Ratio of Apprentices to Journeymen - *

Craft: Dockbuilder/Pile Driver COMMENTS/NOTES

APPRENTICE RATE SCHEDULE FOR CONCRETE FORM WORK ONLY:

INTERVAL PERIOD AND RATES
Yearly 20.81 26.01 33.81 41.62

Benefits 26.73 for all intervals

CREOSOTE HANDLING:

When handling creosote products on land piledriving, floating marine construction, and construction of wharves, the worker shall receive an additional \$0.25 per hour.

HAZARDOUS WASTE WORK:

- Hazardous waste removal work on a state or federally designated hazardous waste site where Level A, B, or C personal protection is required: an additional 20% of the hourly rate, per hour.
- Hazardous waste removal work in Level D, or where personal protection is not required: an additional \$1.00 per hour.

CERTIFIED WELDER: When required on the job by the project owner, a Certified Welder shall receive an additional \$1.00 per hour.

FOREMAN REQUIREMENTS:

The first Dockbuilder/Pile Driver on the job shall be designated a Foreman.

8/21/2024 Page 19 of 73

^{*} When there are 4 or fewer Dockbuilders/Pile Drivers on a job, no more than 1 may be an apprentice. When there are 5 or more Dockbuilders/Pile Drivers, there may be 1 apprentice for every 5 Dockbuilders/Pile Drivers.

County - UNION

SHIFT DIFFERENTIAL:

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis and receive an additional 113% of the wage rate.
- When a three shift schedule is established, all three shifts shall be established on an 8 hour basis, but the second and third shifts shall receive an additional 113% of the wage rate.
- Benefits on shift work shall be paid at the straight-time rate.

OVERTIME:

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day, Christmas Day. Veterans' Day may be switched with the day after Thanksgiving.

8/21/2024 Page 20 of 73

County - UNION

Craft: Drywall Finisher PREVAILING WAGE RATE

	05/29/24
Foreman	W47.75
	B31.11
	T78.86
General Foreman	W49.92
	B31.11
	T81.03
Journeyman	W43.41
	B31.11
	T74.52

Craft: Drywall Finisher APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
6 Months	40%	% 50% 60% 70% 80% 90%									
Benefits	Intervals	1 to 2 =	11.90	Intervals	3 to 4 =	15.03	Intervals	5 to 6 =	18.84		

Ratio of Apprentices to Journeymen - 1:4

Craft: Drywall Finisher COMMENTS/NOTES

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, and the third shift shall receive 8 hours pay for 7 hours of work.
- Shift work must run for a minimum of 5 consecutive workdays.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

8/21/2024 Page 21 of 73

County - UNION

Craft: Electrician PREVAILING WAGE RATE

	06/03/24
Cable Splicer	W69.72
	B44.96
	T114.68
Foreman (11-20	W74.15
Journeymen)	B47.84
	T121.99
Foreman (1-3	W69.72
Journeymen)	B44.96
	T114.68
Foreman (4-10	W72.89
Journeymen)	B47.02
	T119.91
General Foreman (21-30	W76.06
Journeymen)	B49.06
	T125.12
General Foreman (31-60	W82.39
Journeymen)	B53.15
	T135.54
General Foreman (61+	W83.66
Journeymen)	B53.97
	T137.63
Journeyman	W63.38
_	B40.89
	T104.27
Sub-Foreman	W72.25
	B46.61
	T118.86
	I

Craft: Electrician APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
Yearly	40%	49%	58%	68%	80%		of Jour	neyman	Wage	Rate	
Benefit	40%	49%	58%	68%	80%		of Jour	neyman	Benefit	Rate	

Ratio of Apprentices to Journeymen - 2:3

Craft: Electrician COMMENTS/NOTES

8/21/2024 Page 22 of 73

County - UNION

THESE RATES ALSO APPLY TO THE FOLLOWING:

- -All burglar and fire alarm work.
- -All fiber optic work.
- -Teledata work in new construction.
- -Teledata work involving 16 Voice/Data Lines or more.

The regular workday shall be 8 hours, between 8:00 AM and 4:30 PM.

FOREMAN REQUIREMENTS:

- 1 to 3 Journeymen- 1 must be a Foreman (Foreman/1-3 Journeymen rate).
- -4 to 10 Journeymen- 1 must be a Foreman (Foreman/4-10 Journeymen rate).
- -11 to 20 Journeymen- 1 must be Foreman (Foreman/11-20 Journeymen rate) and 1 must be a Sub-Foreman.
- -21 to 30 Journeymen- 1 must be a General Foreman (General Foreman/21-30 Journeymen rate) and 2 must be a Sub-Foreman.
- -31 to 40 Journeymen- 1 must be a General Foreman (General Foreman/31-40 Journeymen rate) and 3 must be a Sub-Foreman.
- -41 to 50 Journeymen- 1 must be a General Foreman (General Foreman/31-60 Journeymen rate) and 4 must be a Sub-Foreman.
- -51 to 60 Journeymen- 1 must be a General Foreman (General Foreman/31-60 Journeymen rate) and 5 must be a Sub-Foreman.
- -61+ Journeymen- 1 must be a General Foreman (General Foreman/61+ Journeymen rate) and 6 must be a Sub-Foreman.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 5 consecutive workdays.
- 2nd Shift (4:30 PM to 12:30 AM) shall receive 8 hours pay for 7.5 hours work + an additional 10% of the regular rate, per hour, inclusive of benefits.
- 3rd Shift (12:30 AM to 8:00 AM) shall receive 8 hours pay for 7 hours work + an additional 15% of the regular rate, per hour, inclusive of benefits.

OVERTIME:

Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, and all hours on Saturdays, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 23 of 73

County - UNION

Craft: Electrician - Teledata (15 Voice/Data Lines & Less)

PREVAILING WAGE RATE

	12/04/23	12/02/24
Journeyman Technician	W47.08	W48.21
(1-2 Workers on Job)	B27.78	B28.45
	T74.86	T76.66
Master Tech/General	W61.20	W62.67
Foreman	B36.12	B36.99
(26 + Workers on Job)	T97.32	T99.66
Senior Technician/Lead	W56.03	W57.37
Foreman	B33.05	B33.86
(16-25 Workers on Job)	T89.08	T91.23
Technician A/Foreman	W53.67	W54.96
(9-15 Workers on Job)	B31.67	B32.43
	T85.34	T87.39
Technician B/Working	W51.32	W52.55
Foreman	B30.28	B31.01
(4-8 Workers on Job)	T81.60	T83.56
Technician C/Foreman	W48.96	W50.14
(3 Workers on Job)	B28.89	B29.59
	T77.85	T79.73

Craft: Electrician - Teledata (15 Voice/Data Lines & Less)

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
6 Months	35%	35%	40%	43%	48%	54%	61%	67%	74%	81%	
Benefits	7.45	7.45	8.51	9.15	10.22	11.49	12.98	14.26	15.76	17.24	

Ratio of Apprentices to Journeymen - 2:3

Craft: Electrician - Teledata (15 Voice/Data Lines & Less) COMMENTS/NOTES

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 11-28-22:

NTERVAL PERIOD AND RATES

6 Months 35% 35% 40% 43% 48% 54% 61% 67% 74% 81% Benefits 7.67 7.67 8.76 9.43 10.52 11.84 13.38 14.69 16.22 17.76

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 12-4-23:

NTERVAL PERIOD AND RATES

6 Months 35% 35% 40% 43% 48% 54% 61% 67% 74% 81% Benefits 7.88 7.88 9.00 9.68 10.80 12.15 13.73 15.09 16.66 18.23

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 12-2-24:

8/21/2024 Page 24 of 73

County - UNION

NTERVAL PERIOD AND RATES
6 Months 35% 35% 40% 43% 48% 54% 61% 67% 74% 81%
Benefits 8.07 8.07 9.22 9.91 11.07 12.45 14.06 15.44 17.06 18.68

NOTES:

- These rates are for service, maintenance, moves, and/or changes affecting
- 15 Voice/Data (teledata) lines or less. These rates may NOT be used for any teledata work in new construction (including additions) or any fiber optic work.
- The number of Teledata workers on the jobsite is the determining factor for which Foreman category applies .

The regular workday shall be 8 hours, between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 5 consecutive workdays.
- 2nd Shift (4:30 PM to 12:30 AM) shall receive 8 hours pay for 7.5 hours work + an additional 10% of the regular rate, per hour, inclusive of benefits.
- 3rd Shift (12:30 AM to 8:00 AM) shall receive 8 hours pay for 7 hours work + an additional 15% of the regular rate, per hour, inclusive of benefits.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, that are not shift work, and the first 10 hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. Hours in excess of 10 on Saturday and all hours on Sunday and holidays shall be paid at double the regular rate, inclusive of benefits.

- Four 10-hour days may be worked Monday through Friday, between the hours of 7:00 AM and 5:30 PM. A make-up day may be used for a day not being worked during the four 10-hour day schedule if a holiday occurs during the week or for any other conditions that prevent an employee from working the four 10-hour day schedule.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. Saturday holidays will be observed the preceding Friday.

8/21/2024 Page 25 of 73

County - UNION

Craft:	Electrician - Teledata (16 Instruments & More)	PREVAILING WAGE RATE
	See "Electrician" Rates	
Craft:	Electrician - Teledata (16 Instruments & More)	COMMENTS/NOTES
See	ELECTRICIAN Rates	

8/21/2024 Page 26 of 73

County - UNION

Craft: Electrician- Outside Commercial

PREVAILING WAGE RATE

Cable Splicer W70. B44. T114. Certified Welder W66. B42. T109.	66 70 86 62
B44. T114. Certified Welder W66. B42.	66 70 86 62
T114. Certified Welder W66.4 B42.1	70 86 62
Certified Welder W66.4	86 62
B42.	62
	~-
T109.	48
Equipment Operator W63.	67
B40.0	60
T104.:	27
Foreman (11-20 W74.	50
Journeymen workers on B47.	
job) T122.	00
Foreman (1-3 W70.	04
Journeymen workers on B44.	66
job) T114.	70
Foreman (4-10 W73.:	23
Journeymen workers on B46.	-
job) T119.	93
General Foreman (21-30 W76.	41
Journeymen workers on B48.	71
job) T125.	12
General Foreman (31-60 W82.	78
Journeymen workers on B52.	76
job) T135.	54
General Foreman (61+ W84.	05
Journeymen workers on B53.	58
job) T137.	63
Groundman W38.:	21
B24.3	35
T62.:	56
Journeyman W63.	67
Lineman/Technician B40.	
T104.	27
Sub-Foreman W72.	59
B46.:	
T118.	86

8/21/2024 Page 27 of 73

County - UNION

Craft: Electrician- Outside Commercial APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
1000 Hours	60%	65%	70%	75%	80%	85%	90%				
Benefits	61.75% of	Journey	man	wage	+ \$.01						

Craft: Electrician- Outside Commercial COMMENTS/NOTES

APPRENTICE RATE SCHEDULE AS OF 5-29-23:

Interval Period and Rates

1000 Hours 60% 65% 70% 75% 80% 85% 90%

Benefits 62.75% of the Journeyman wage + \$.01

APPRENTICE RATE SCHEDULE AS OF 6-3-24:

Interval Period and Rates

1000 Hours 60% 65% 70% 75% 80% 85% 90%

Benefits 63.75% of the Journeyman wage + \$.01

* FOR UTILITY WORK PLEASE SEE STATEWIDE RATES

The regular worday shall be 8 hours, between 8:00 AM and 4:30 PM.

FOREMAN REQUIREMENTS:

- 1 to 3 Journeymen- 1 must be a Foreman (Foreman/1-3 Journeymen rate).
- -4 to 10 Journeymen- 1 must be a Foreman (Foreman/4-10 Journeymen rate).
- -11 to 20 Journeymen- 1 must be Foreman (Foreman/11-20 Journeymen rate) and 1 must be a Sub-Foreman.
- -21 to 30 Journeymen- 1 must be a General Foreman (General Foreman/21-30 Journeymen rate) and 2 must be a Sub-Foreman.
- -31 to 40 Journeymen- 1 must be a General Foreman (General Foreman/31-40 Journeymen rate) and 3 must be a Sub-Foreman.
- -41 to 50 Journeymen- 1 must be a General Foreman (General Foreman/31-60 Journeymen rate) and 4 must be a Sub-Foreman.
- -51 to 60 Journeymen- 1 must be a General Foreman (General Foreman/31-60 Journeymen rate) and 5 must be a Sub-Foreman.
- -61+ Journeymen- 1 must be a General Foreman (General Foreman/61+ Journeymen rate) and 6 must be a Sub-Foreman.

SHIFT DIFFERENTIALS:

Shift work must run for a minimum of 5 consecutive workdays.

2nd Shift (4:30 PM to 12:30 AM): 8 hrs. pay for 7.5 hrs. work + an additional 10% of the regular rate, inclusive of benefits.

3rd Shift (12:30 AM to 8:00 AM): 8 hrs. pay for 7 hrs. work + an additional 15% of the regular rate per hour, inclusive benefits.

OVERTIME:

Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, and all hours on Saturdays, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS:

New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day,

8/21/2024 Page 28 of 73

County - UNION

Thanksgiving Day and Christmas Day.

8/21/2024 Page 29 of 73

County - UNION

Craft: Electrician-Utility Work (North) PREVAILING W.	<i>N</i> AGE KATE
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Rates are located in the "Statewide" rate package

Craft: Electrician-Utility Work (North)

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
* 6 Months	60%	65%	70%	75%	80%	85%	90%				
Benefits	69% of	Appren	tice	Wage	Rate	for all	intervals				

Craft: Electrician-Utility Work (North)

COMMENTS/NOTES

Electrician-Utility Work (North) rates are located in the "Statewide" rate package.

8/21/2024 Page 30 of 73

^{*} The apprentice wage rate is paid at the percentage of the Journeyman Lineman wage rate located in the "Statewide" rate package.

County - UNION

Craft: Electrician-Utility Work (South) PREVAILING WAGE RATE

Rates are located in the "Statewide" rate package

Craft: Electrician-Utility Work (South)

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
6 Months	32.52	35.23	37.94	40.65	43.36	46.07	48.78				
Benefits	28.97	30.65	32.31	33.98	35.69	37.36	39.02				

Craft: Electrician-Utility Work (South)

COMMENTS/NOTES

Electrician-Utility Work (South) rates are located in the "Statewide" rate package.

8/21/2024 Page 31 of 73

County - UNION

Craft: Elevator Constructor PREVAILING WAGE RATE

	03/29/23
Journeyman	W77.49 B45.23 T122.72

Craft: Elevator Constructor APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	34.60	42.62	50.37	58.12						
Benefits	35.56	36.49	38.02	39.55						

Ratio of Apprentices to Journeymen - 1:1

Craft: Elevator Constructor COMMENTS/NOTES

The regular workday shall consist of either 7 or 8 hours to be established at the beginning of the project, between 7:00 AM and 4:30 PM.

OVERTIME:

For all hours worked before or after the regular workday, Monday through Friday, and all hours on Saturday and Sunday, shall be paid at double the hourly rate. Holiday pay is one days wages (8 hours) plus double the hourly rate for all hours worked.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays shall be observed on the previous Friday and Sunday holidays shall be observed on the following Monday.

8/21/2024 Page 32 of 73

County - UNION

Craft: Elevator Modernization & Service

PREVAILING WAGE RATE

	03/29/23
Journeyman	W60.89
	B44.07
	T104.96

Craft: Elevator Modernization & Service

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	34.60	33.49	39.58	45.67						
Benefits	35.50	36.07	37.52	38.97						

Ratio of Apprentices to Journeymen - 1:1

Craft: Elevator Modernization & Service

COMMENTS/NOTES

MODERNIZATION (addition, replacement, refurbishing, relocation, or changes in design or appearance, of elevator equipment in existing buildings):

- The regular workday consists of 8 hours, between 7:00 AM and 4:30 PM.

- Overtime:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturday and Sunday shall be paid at time and one-half the hourly rate. Holiday pay is one days wages (8 hours) plus time and one-half the hourly rate for all hours worked.

SERVICE (repair or replacement of parts for the purpose of maintaining elevator equipment in good operating condition):

- The regular workday consists of 8 hours, between 6:00 AM and 6:00 PM.

- Overtime:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS (Modernization and Service): New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays shall be observed on the previous Friday and Sunday holidays shall be observed on the following Monday.

8/21/2024 Page 33 of 73

County - UNION

Craft: Glazier PREVAILING WAGE RATE

	05/09/24
* Leadman	W53.43 B31.98 T85.41
Foreman	W55.43 B32.22 T87.65
General Foreman	W57.43 B32.47 T89.90
Journeyman	W51.43 B31.74 T83.17

Craft: Glazier APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
6 Months	46%	46%	55%	55%	61%	61%	70%	70%		
Benefits	12.44	12.44	14.76	14.76	18.16	18.16	19.79	19.79		

Ratio of Apprentices to Journeymen - 1:4

Craft: Glazier COMMENTS/NOTES

Hazard/Height Pay: +\$1.00 per hour

* When there are three (3) men working on a jobsite for three (3) days or longer, 1 Journeyman may be designated as a Leadman for the duration of the job, provided he has his OSHA certification.

FOREMAN REQUIREMENTS:

- When there are 4 or more Glaziers on a job, 1 must be designated a Foreman.
- When there are 15 or more Glaziers on a job, 1 must be designated a General Foreman.

The regular workday shall consist of 8 hours, between 7:00 AM and 5:30 PM, Monday to Friday.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, and the third shift shall receive 8 hours pay for 7 hours of work.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular workday Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular

8/21/2024 Page 34 of 73

County - UNION

rate.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

8/21/2024 Page 35 of 73

County - UNION

Craft: Heat & Frost Insulator PREVAILING WAGE RATE

	09/19/23
Foreman	W60.97
	B37.97
	T98.94
General Foreman	W63.31
	B39.08
	T102.39
Journeyman	W58.69
	B37.41
	T96.10

Craft: Heat & Frost Insulator APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	27.51	32.64	39.31	45.91						
Benefits	21.73	25.78	28.63	31.61						

Ratio of Apprentices to Journeymen - 1:3

Craft: Heat & Frost Insulator COMMENTS/NOTES

NOTE: These rates apply to the installing of insulation on hot and cold mechanical systems.

The regular workday shall be 8 hours between 7:00 AM and 3:30 PM. In addition, the regular workday may also be 8 hours between 6:00 AM and 2:30 PM.

SHIFT DIFFERENTIAL:

- Shift work must run for a minimum of 5 consecutive workdays.
- Second Shift shall work 7.5 hours and receive 8 hours pay, at the regular rate, plus 25% per hour.
- Third Shift shall work 7 hours and receive 8 hours pay, at the regular rate, plus 30% per hour.

OVERTIME:

The first 2 hours in excess of 8 per day, hours outside of the regular workday Monday through Friday that are not shift work, and the first 10 hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours in excess of 10 per day, and all hours on Sunday and holidays (except Labor Day) shall be paid at double the regular rate, inclusive of benefits. All hours on Labor Day shall be paid at triple the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day and Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 36 of 73

County - UNION

Craft: Heat & Frost Insulator - Asbestos Worker PREVAILING WAGE RATE

	09/19/23
Asbestos Helper	W36.89
Abatement	B24.92
	T61.81

Craft: Heat & Frost Insulator - Asbestos Worker APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES									
	SEE	OP I									
				OK .							

Ratio of Apprentices to Journeymen - 1:3

Craft: Heat & Frost Insulator - Asbestos Worker COMMENTS/NOTES

NOTE: These rates apply only to the removal of insulation materials/asbestos from mechanical systems, including containment erection and demolition, and placing material in appropriate containers.

The regular workday shall be 8 hours between 7:00 AM and 3:30 PM. In addition, the regular workday may also be 8 hours between 6:00 AM and 2:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 5 consecutive workdays.
- The second shift shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 25% per hour.
- The third shift shall work 7 hours and receive 8 hours pay at the regular rate, plus 30% per hour.

OVERTIME: The first 2 hours in excess of 8 per day, hours outside of the regular workday Monday through Friday that are not shift work, and the first 10 hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours in excess of 10 per day, and all hours on Sunday and holidays (except Labor Day) shall be paid at double the regular rate, inclusive of benefits. All hours on Labor Day shall be paid at triple the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day and Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 37 of 73

County - UNION

Craft: Industrial Painter- Bridges PREVAILING WAGE RATE

	03/21/24	02/01/25	02/01/26
Foreman	W64.29	W0.00	W0.00
	B35.91	B0.00	B0.00
	T100.20	T102.20	T104.20
General Foreman	W66.79	W0.00	W0.00
	B35.91	B0.00	B0.00
	T102.70	T104.70	T106.70
Journeyman	W59.29	W0.00	W0.00
	B35.91	B0.00	B0.00
	T95.20	T97.20	T99.20
T .	1		1

Craft: Industrial Painter- Bridges APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
6 Months	50%	70%	90%							
Benefits	14.10	21.26	27.88							

Ratio of Apprentices to Journeymen - 1:3

Craft: Industrial Painter- Bridges

COMMENTS/NOTES

These rates apply to: All bridges that span waterways, roadways, railways and canyons. All tunnels, overpasses, viaducts and all appurtenances.

FOREMEN REQUIREMENTS:

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate, except Veterans Day, which shall be paid at time and one-half the regular rate.
- During a regular work week schedule, Saturday may be used as a make-up day lost to inclement weather, paid at the regular rate.
- Four 10-hour days may be worked, at the regular rate, Monday through Thursday. When the four 10-hour day schedule is used, the 11th and 12th hours shall be paid at time and one-half the regular rate. After the 12th hour, a worker shall be paid at double the regular rate. Friday may be used as a make-up day lost to inclement weather, paid at the regular rate.

8/21/2024 Page 38 of 73

^{*} Industrial Painters perform work on all industrial structures, such as bridges.

County - UNION

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

8/21/2024 Page 39 of 73

County - UNION

Craft: Industrial Painter- Structural Steel PREVAILING WAGE RATE

	03/21/24	02/01/25	02/01/26
Foreman	W53.03	W0.00	W0.00
	B33.56	B0.00	B0.00
	T86.59	T88.59	T90.59
General Foreman	W55.53	W0.00	W0.00
	B33.56	B0.00	B0.00
	T89.09	T91.09	T93.09
Journeyman	W48.03	W0.00	W0.00
	B33.56	B0.00	B0.00
	T81.59	T83.59	T85.59
		l	

Craft: Industrial Painter- Structural Steel APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
	SEE	EE INDUST RIAL PAINTER BRIDGES								

Ratio of Apprentices to Journeymen - 1:3

Craft: Industrial Painter- Structural Steel

COMMENTS/NOTES

* Industrial Painters perform work on all industrial structures, such as water tanks, waste water facilitites, refineries, any structural steel work, etc.

These rates apply to: All work in power plants (any aspect). On steeples, on dams, on hangers, transformers, substations, on all open steel, in refineries, tank farms, water/sewerage treatment facilities and on pipelines.

FOREMEN REQUIREMENTS:

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate, except for Veterans Day, which shall be paid at time and one-half the regular rate.
- During the regular work week schedule, Saturday may be used to make-up a day lost to inclement weather, paid at the regular rate.
- Four 10-hour days may be worked, at the regular rate, Monday through Thursday. When the four 10-hour day schedule is used, the 11th and 12th hours shall be paid at time and one-half the regular rate. After the 12th hour, a worker shall be paid at double the regular rate. Friday may be used as a make-up day lost to inclement weather, paid at the regular rate.

8/21/2024 Page 40 of 73

County - UNION

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

8/21/2024 Page 41 of 73

County - UNION

Craft: Industrial Painter- Water Tanks

PREVAILING WAGE RATE

	03/21/24	02/01/25	02/01/26			
Foreman	W54.08	W0.00	W0.00			
	B33.21	B0.00	B0.00			
	T87.29	T89.29	T91.29			
General Foreman	W56.58	W0.00	W0.00			
	B33.21	B0.00	B0.00			
	T89.79	T91.79	T93.79			
Journeyman	W49.08	W0.00	W0.00			
	B33.21	B0.00	B0.00			
	T82.29	T84.29	T86.29			
	1	1				

Craft: Industrial Painter- Water Tanks

APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES								
6 Months	50%	70%	90%						
Benefits	14.10	21.26	27.88						

Ratio of Apprentices to Journeymen - 1:3

Craft: Industrial Painter- Water Tanks

COMMENTS/NOTES

* Industrial Painters perform work on all industrial structures, such as water tanks, waste water facilitites, refineries, any structural steel work, etc.

These rates apply to: All new and repaint water tanks (interior and exterior).

FOREMEN REQUIREMENTS:

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate, except Veterans Day, which shall be paid at time and one-half the regular rate.
- During a regular work week schedule, Saturday may be used to make-up a day lost to inclement weather, paid at the regular rate.
- Four 10-hour days may be worked, at the regular rate, Monday through Thursday. When the four 10-hour day schedule is used, the 11th and 12th hours shall be paid at time and one-half the regular rate. After the 12th hour, a worker shall be paid at double the regular rate. Friday may be used as a make-up day lost to inclement weather, paid at the regular rate.

8/21/2024 Page 42 of 73

County - UNION

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

8/21/2024 Page 43 of 73

County - UNION

Craft: Ironworker PREVAILING WAGE RATE

	07/03/24
Rod /Fence Foreman	W53.29
	B50.87
	T104.16
Rod/Fence Journeyman	W48.44
	B50.87
	T99.31
Structural Foreman	W55.82
	B50.87
	T106.69
Structural Journeyman	W50.74
	B50.87
	T101.61

Craft: Ironworker APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES								
6 Months	50%	60%		Yearly	70%	80%	90%		
Benefits	same as	journeyma	amount						

Ratio of Apprentices to Journeymen - 1:4

Craft: Ironworker COMMENTS/NOTES

HAZARDOUS WASTE WORK: On hazardous waste removal work on a state or federally designated hazardous waste site where the Ironworker is required to wear Level A,B, or C personal protection: +\$3.00 per hour

The regular workday consists of 8 hours between 6:00 AM and 4:30 PM.

FOREMAN REQUIREMENTS:

When there are 2 or more Ironworkers on a job, 1 shall be designated a Foreman.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule is established, the first, or day shift, shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 15%.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 15%, and the third shift shall receive the regular rate plus 20%.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis.
- When an irregular shift is established for the Ironworker (Structural) classification, the rate shall be paid at time and one-half the regular rate, inclusive of benefits. When an irregular shift is established for the Rod/Fence classification, the shift shall be established on an 8 hour basis and receive the regular rate, plus 20%.

OVERTIME:

8/21/2024 Page 44 of 73

County - UNION

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the hourly rate, inclusive of benefits. Saturday may be used as a make-up day for a day lost to inclement weather. If Saturday is not a make-up day, all hours on Saturday shall be paid at time and one-half the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 45 of 73

County - UNION

Craft: Laborer - Asbestos & Hazardous Waste Removal

PREVAILING WAGE RATE

	08/21/24
Foreman	W45.88 B26.21 T72.09
Journeyman (Handler)	W40.78 B26.21 T66.99

Craft: Laborer - Asbestos & Hazardous Waste Removal

APPRENTICE RATE SCHEDULE

INTERVAL		PERIC	DD AND RAT	ES			
Yearly	22.47	28.55	32.62	36.70			
Benefits	22.31	for	all	intervals			

Ratio of Apprentices to Journeymen - *

Craft: Laborer - Asbestos & Hazardous Waste Removal

COMMENTS/NOTES

NOTE: These rates apply to work in connection with Asbestos, Radiation, Hazardous Waste, Lead, Chemical, Biological, Mold Remediation and Abatement.

The regular workday shall be 8 hours.

OVERTIME:

- Hours in excess of 8 per day, Monday through Saturday, and all hours on Sunday and holidays shall be paid at time and one-half the regular rate.
- Benefits on ALL overtime hours shall be paid at straight time.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Easter, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. (Holidays start at 12:00 am).

8/21/2024 Page 46 of 73

^{*} Ratio of apprentices to journeymen shall not be more than one apprentice for the first journeyman and no more than (1) apprentice for each additional three (3) journeymen.

County - UNION

Craft: Laborer - Building PREVAILING WAGE RATE

	05/29/24
Class A Journeyman	W39.45
	B33.17
	T72.62
Class B Journeyman	W38.45
	B33.17
	T71.62
Class C Journeyman	W32.68
	B33.17
	T65.85
Foreman	W44.38
	B33.17
	T77.55
General Foreman	W49.31
	B33.17
	T82.48

Craft: Laborer - Building APPRENTICE RATE SCHEDULE

INTERVAL		<u>PERIC</u>	DD AND RAT	<u>ES</u>				
6 Months	60%	70%	80%	90%	of Class B	wage rate		
Benefit	29.92	29.92	29.92	29.92				

Ratio of Apprentices to Journeymen - *

Craft: Laborer - Building COMMENTS/NOTES

CLASS A: Specialist laborer including mason tender or concrete pour crew; scaffold builder (scaffolds up to 14 feet in height); operator of forklifts, Bobcats (or equivalent machinery), jack hammers, tampers, motorized tampers and compactors, vibrators, street cleaning machines, hydro demolition equipment, riding motor buggies, conveyors, burners; and nozzlemen on qunite work.

CLASS B: Basic laborer - includes all laborer work not listed in Class A or Class C.

CLASS C: Janitorial-type light clean-up work associated with the TURNOVER of a project, or part of a project, to the owner. All other clean-up work is Class B.

The regular workday shall be 8 hours between 6:00 AM and 6:00 PM.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 5 consecutive workdays.
- When a 2-shift schedule is worked, including a day shift, both shifts shall be established on the basis of 8 hours pay for 8 hours worked. The second shift shall receive the regular rate plus an additional 10%.
- When a 3-shift schedule is worked, the day shift shall be established on the basis of 8 hours pay for 8 hours worked, the second shift shall be established on the basis of 8 hours pay for 7.5 hours worked, and the third shift shall be established

8/21/2024 Page 47 of 73

^{*} Ratio of apprentices to journeymen shall not be more than one apprentice for the first journeyman and no more than (1) apprentice for each additional three (3) journeymen.

County - UNION

on the basis of 8 hours pay for 7 hours worked. The day shift shall receive the regular rate, the second shift shall receive the regular rate plus an additional 10%, and the third shift shall receive the regular rate plus an additional 15%.

- When a second or third shift is worked with no day shift, the second or third shift shall be established on the basis of 8 hours pay for 8 hours worked. The second shift shall receive the regular rate plus an additional 10%, and the third shift shall receive the regular rate plus an additional 15%.
- When an irregular shift must be established this shift shall receive the regular rate plus an additional 10%.

OVERTIME:

- Hours in excess of 8 per day, or outside the regular workday that are not shift work, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. Saturday may be used as a make-up day (paid at straight time) for a day lost to inclement weather, or for a holiday that is observed during the work week, Monday through Friday. All hours on Sundays and holidays shall be paid at double the regular rate.
- Four 10-hour days may be worked Monday to Thursday, at straight time, with Friday used a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the regular rate.
- Benefits on ALL overtime hours shall be paid at time and one-half.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 48 of 73

County - UNION

Rates are located in the "Statewide" rate package

Craft: Laborer - Heavy & General APPRENTICE RATE SCHEDULE

INTERVAL		PERIC	DD AND RAT	ES			
1000 Hours	60%	70%	80%	90%			
Benefit	25.08	for	all	intervals			

Ratio of Apprentices to Journeymen - *

As of 3-1-25, benefits shall be 26.13.

As of 3-1-26, benefits shall be 27.13.

Craft: Laborer - Heavy & General COMMENTS/NOTES

Heavy & General Laborer rates are located in the "Statewide" rate package.

8/21/2024 Page 49 of 73

^{*} No more than 1 apprentice for the first journeyman and no more than 1 apprentice for each additional 3 journeymen.

County - UNION

Craft: Laborer-Residential and Modular Construction

PREVAILING WAGE RATE

	04/01/23
* Skilled Tradesman (only applies to Modular Construction)	W27.90 B5.45 T33.35
Foreman (person directing crew, regardless of his skill classification)	W31.90 B5.45 T37.35
Laborer (for single family and stand-alone duplex owned by single owner)	W17.85 B2.95 T20.80
Residential and Modular Construction Laborer	W23.90 B5.45 T29.35

Craft: Laborer-Residential and Modular Construction

APPRENTICE RATE SCHEDULE

INTERVAL		PERIC	DD AND RAT	<u>ES</u>			
As shown	800 hours	600 hours	600 hours				
wage & benefits	70%	80%	90%				

Ratio of Apprentices to Journeymen-

One (1) apprentice shall be allowed for the first journeyman on site and no more than one (1) additional apprentice for each additional three (3) journeymen on site.

Craft: Laborer-Residential and Modular Construction

COMMENTS/NOTES

* SKILLED TRADESMAN-

any worker doing work not typically done by a Building Laborer. Some examples are installing interior doors, sheet rock, hooking up appliances, installing light fixtures, installing railing systems, etc. Please note where local building codes require that certain work be performed under the supervision of a licensed tradesman (i.e. Plumber, Electrician, etc.) Laborers shall work under such supervision.

RESIDENTIAL CONSTRUCTION- All residential construction (not commercial), single-family, stand-alone duplex houses, townhouses and multi-family buildings of not more than four (4) floors. Each housing unit must be fully and independently functional; each housing unit must have its own kitchen and bathroom. The definition includes all incidental items such as site work, parking areas, utilities, streets and sidewalks. Please note the construction must be Residential in nature. A First Floor at or below grade may contain commercial space not to exceed 50% square footage of the floor; at least 50% of the First Floor must contain living accommodations or related nonresidential uses (e.g. laundry space, recreation/hobby rooms, and/or corridor space). Basement stories below grade used for storage, parking, mechanical systems/equipment, etc., are considered basement stories which are not used in determining the building's height even if used for storage purposes. In addition, barracks and dormitories are not considered residential projects.

MODULAR RESIDENTIAL CONSTRUCTION- all aspects of modular residential construction (not commercial) at the site of installation of structures of no more than four (4) stories, including all excavation and site preparation, footings and

8/21/2024 Page 50 of 73

County - UNION

foundation systems whether poured on-site or prefabricated, all underground waterproofing, underground utilities, concrete slabs, sidewalks, driveways, paving, hardscape and landscaping. Please note the construction must be Residential as defined above. All work performed by the Set Crew (the crew of workers who set the modular boxes on the foundation), including the rigging, setting, attaching and assembly of all modules and structural members, preparation of the foundation to accept modules, such as sill plates, connection of all in-module and under-module connections including, but not limited to, plumbing, electrical, HVAC, fire suppression, CATS, telephone, television/internet, and fiber optic, the building or installation of any porches or decks regardless of material or method of construction, the on-site installation of, or completion of any roof system, doors, windows and fenestrations, including flashing, gutter and soffit systems, waterproofing, insulation and interior and exterior trim work, and painting. Please note that modular construction does not include on-site stick built construction, tip up construction or panel built construction.

The regular workday shall be 8 hours between 6:00 AM and 6:00 PM.

OVERTIME:

Hours worked in excess of 8 per day/40 per week, Monday through Saturday, and all hours worked on Sunday and holidays shall be paid at time and one-half the hourly rate.

RECOGNIZED HOILDAYS:

New Year's Day, Martin Luther King Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day.

8/21/2024 Page 51 of 73

County - UNION

Craft: Millwright PREVAILING WAGE RATE

	05/01/24
Foreman	W66.04 B39.75 T105.79
Journeyman	W57.43 B34.65 T92.08

Craft: Millwright APPRENTICE RATE SCHEDULE

INTERVAL		PERIC	DD AND RAT	ES					
6 Months	40%	55%	65%	80%	90%				
Benefits	59.25% of	Appren	tice	Wage	Rate	for all	intervals	+ \$0.62	

Ratio of Apprentices to Journeymen - 1:3

Craft: Millwright COMMENTS/NOTES

FOREMAN REQUIREMENTS:

- When there are 2 or more Millwrights on a job, 1 shall be designated as a Foreman.

The regular workday shall consist of 8 hours, starting between 6:00 AM and 9:00 AM.

SHIFT DIFFERENTIALS:

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 15%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.
- When an irregular shift must be established, this shift shall receive the regular rate plus 15%, inclusive of benefits.

OVERTIME:

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. Veterans' Day may be substituted for the day after Thanksgiving.

8/21/2024 Page 52 of 73

County - UNION

Craft: Operating Engineer PREVAILING WAGE RATE
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Rates are located in the "Statewide" rate package

Craft: Operating Engineer APPRENTICE RATE SCHEDULE

INTERVAL		PERIC	DD AND RAT	ES			
Yearly	60%	70%	80%	90%			

Ratio of Apprentices to Journeymen - *

Craft: Operating Engineer COMMENTS/NOTES

Operating Engineer rates are located in the "Statewide" rate package.

8/21/2024 Page 53 of 73

^{* 1} apprentice for each piece of heavy equipment. At least 10 pieces of heavy equipment or a minimum of 5 Operating Engineers must be on site.

County - UNION

Craft:	Operating Engineer - Field Engineer	PREVAILING WAGE RATE
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Rates are located in the "Statewide" rate package

Craft: Operating Engineer - Field Engineer

APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	70%	75%	of Rod/	Chainman	Wage					
Yearly			80%	90%	Transit/	Instrument	man	Wage		

Ratio of Apprentices to Journeymen - *

Craft: Operating Engineer - Field Engineer

COMMENTS/NOTES

Operating Engineer - Field Engineer rates are located in the "Statewide" rate package.

8/21/2024 Page 54 of 73

^{*} No more than 1 Field Engineer Apprentice per Survey Crew.

County - UNION

Craft: Painter - Line Striping PREVAILING WAGE RATE

	12/01/23
Apprentice (1st year)	W29.89
	B15.70
	T45.59
Apprentice (2nd year)	W34.10
	B26.65
	T60.75
Foreman (Charge Person)	W43.10
	B27.43
	T70.53
Journeyman 1 (at least 1	W38.33
year of working exp. as a	B27.43
journeyman)	T65.76
Journeyman 2 (at least 2	W42.10
years of working exp. as a	B27.43
journeyman)	T69.53

Craft: Painter - Line Striping APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES								

Ratio of Apprentices to Journeymen - 1:1

Craft: Painter - Line Striping COMMENTS/NOTES

OVERTIME:

Hours in excess of 8 per day, Monday through Saturday, and all hours on Sundays and holidays shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day and Christmas Day. Veterans Day may be substituted for the day after Thanksgiving.

8/21/2024 Page 55 of 73

County - UNION

Craft: Paperhanger PREVAILING WAGE RATE

	05/29/24
Foreman	W53.79 B30.71 T84.50
Journeyman	W48.90 B30.71 T79.61

Craft: Paperhanger APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
	SEE	COMME	CIAL	PAINTER						
		K								

Craft: Paperhanger COMMENTS/NOTES

FOREMEN REQUIREMENTS:

- When there are 4 or more Paperhangers on a job, 1 shall be designated a Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans Day, Thanksgiving Day, Christmas Day

8/21/2024 Page 56 of 73

County - UNION

Craft: Pipefitter PREVAILING WAGE RATE

	05/01/24
Foreman	W59.34 B52.02 T111.36
Journeyman	W55.09 B48.30 T103.39

Craft: Pipefitter APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	35%	45%	55%	65%	75%					
Benefit	27.62	30.78	33.95	37.12	40.29					

Ratio of Apprentices to Journeymen - 1:5

Craft: Pipefitter COMMENTS/NOTES

FOREMAN REQUIREMENTS:

- When there are 2 or more Journeyman Pipefitters on a job, 1 shall be designated a Foreman.
- There shall be a Foreman for every 8 Journeyman Pipefitters on a job.

The regular workday shall be 8 hours between 7:00 AM and 3:30 PM.

SHIFT DIFFERENTIAL:

- 2nd Shift (3:30 PM-11:30 PM) shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 10% per hour on the total rate.
- 3rd Shift (11:30 PM-7:00 AM) shall work 7 hours and receive 8 hours pay at the regular rate, plus 15% per hour on the total rate.

OVERTIME:

- All hours worked in excess of 8 per day, Monday through Friday, and all hours worked on Saturday, shall be paid at time and one-half, inclusive of benefits. All hours on Sunday and holidays shall be paid at double time, inclusive of benefits.
- By mutual agreement, employees may work four 10-hour days, Monday to Thursday, at straight time rate. Friday may be used as a make-up day for a day lost to inclement weather, and may be paid at straight time. If Friday is not a make-up day, the first 8 hours shall be paid at time and one-half, inclusive of benefits; hours in excess of 8 shall be paid at double time, inclusive of benefits.

SHIFT DIFFERENTIAL (Maintenance Work Only):

- 2nd Shift (3:30 PM-11:30 PM) shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 10% per hour on the total rate.
- 3rd Shift (11:30 PM-7:00 AM) shall work 7 hours and receive 8 hours pay at the regular rate, plus 15% per hour on the total rate.

OVERTIME (Maintenance Work Only):

- All hours in excess of 8 per day, Monday through Saturday, shall be paid at time and one-half, inclusive of benefits. All

8/21/2024 Page 57 of 73

County - UNION

hours on Sundays and holidays shall be paid at double time, inclusive of benefits.

NOTE: Maintenance work is work to repair, restore, or improve the efficiency of existing facilities. This does NOT apply to ANY new construction.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays are observed the following Monday.

8/21/2024 Page 58 of 73

County - UNION

Craft:	Plasterer	PREVAILING WAGE RATE	

See Bricklayer, Stone Mason Rates

Craft: Plasterer COMMENTS/NOTES

See BRICKLAYER, STONE MASON Rates

8/21/2024 Page 59 of 73

County - UNION

Craft: Plumber PREVAILING WAGE RATE

05/01/24
W65.33
B43.22
T108.55
W69.56
B43.22
T112.78
W60.49
B43.22
T103.71

Craft: Plumber APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	30%	45%	55%	65%	75%					
Benefits	18.23	24.72	27.02	29.31	31.60					

Ratio of Apprentices to Journeymen - *

Craft: Plumber COMMENTS/NOTES

FOREMAN REQUIREMENTS:

- On any job having 2 or more Plumbers, 1 must be designated a Foreman.
- On any job having 9 or more Plumbers, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours between 7:00 AM and 4:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must continue for a minimum of 5 consecutive workdays.
- When two shifts are worked, the second shift shall work 7.5 hours and receive 8 hours pay, at a rate equal to the hourly rate plus 10%, inclusive of benefits.
- When a third shift is worked, the third shift shall work 7 hours and receive 8 hours pay, at a rate equal to the hourly rate plus 15%, inclusive of benefits.

OVERTIME:

- All hours in excess of 8 per day, or before of after the regular workday that are not shift work, Monday through Friday, and all hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays, shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

8/21/2024 Page 60 of 73

^{*} Employers may employ 1 apprentice on any job where 1 or 2 journeymen are employed. Thereafter, 1 apprentice may be employed for every 4 journeymen.

County - UNION

Craft: Roofer PREVAILING WAGE RATE

	06/01/24
Foreman	W47.52 B32.34
	T79.86
Journeyman	W44.52 B32.34 T76.86

Craft: Roofer APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
6 Months	17.80	22.26	26.71	28.94	31.16	33.39	35.62	40.07		
Benefits	2.19	2.19	28.34	28.34	28.34	28.34	28.34	28.34		

Ratio of Apprentices to Journeymen - *

- * A) For roofing jobs that are of the 1 or single ply nature: 1:2 or fraction thereof
- B) For roofing jobs on new built up roofs: 1:3 or fraction thereof
- C) For roofing jobs that are of a tear-off nature: 1:2 or fraction thereof
- D) For roofing jobs (not requiring complete removal of existing systems, installation done over existing roof): 1:3 or

fraction thereof

Craft: Roofer COMMENTS/NOTES

Pitch: +.50 per hour

Mop Man: +.30 per hour

The regular workday consists of 8 hours between 8:00 AM and 4:30 PM.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays, Sundays, and holidays shall be paid at time and one-half the regular rate.

RECOGNIZED HOLIDAYS: New Year's Day, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 61 of 73

County - UNION

Craft: Sheet Metal Sign Installation PREVAILING WAGE RATE

	04/17/24
Foreman	W44.19 B43.87 T88.06
Journeyman	W41.69 B43.87 T85.56

Craft: Sheet Metal Sign Installation APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
1000 hours	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%
Benefits	14.62	16.66	18.72	20.79	23.33	25.43	27.52	29.62	31.73	33.82

Ratio of Apprentices to Journeymen - 1:3

Craft: Sheet Metal Sign Installation COMMENTS/NOTES

FOREMAN REQUIREMENT:

When there are 6 or more Sheet Metal Sign Installers on a job, 1 shall be designated a Foreman.

The regular workday consists of 8 hours, between 7:00 AM and 3:30 PM.

OVERTIME:

Hours before or after the regular workday, Monday though Friday, and all hours worked on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

Four(4) 10 hour days may be worked, Monday through Friday, at straight time, for projects lasting at least one week in duration. The fifth day may be used as a make-up day at straight time for a day lost due to inclement weather. However, if the fifth day is not a make-up day, all hours worked will be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays observed the preceding Friday, Sunday holidays observed the following Monday.

8/21/2024 Page 62 of 73

County - UNION

Craft: Sheet Metal Worker PREVAILING WAGE RATE

	06/13/24
Foreman	W61.90
	B50.32
	T112.22
General Foreman	W62.90
	B50.32
	T113.22
Journeyman	W57.90
	B50.32
	T108.22

Craft: Sheet Metal Worker APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
Yearly	45%	48%	52%	65%	of	Journey	man	Wage	Rate	
Benefit	45%	48%	52%	65%	of	Journey	man	Benefit	Rate	

Ratio of Apprentices to Journeymen - 1:4

Craft: Sheet Metal Worker COMMENTS/NOTES

FOREMAN REQUIREMENTS:

- When there are 2 or more Sheet Metal Workers on a project, 1 must be designated a Foreman.
- When there are 17 or more Sheet Metal Workers on a project, 1 must be designated a General Foreman.
- When there is only 1 Sheet Metal Worker (1 Journeyman) on a project, he/she shall receive \$1.00 more than the regular Journeyman's rate.

The regular workday is 8 hours between 7:00 AM and 4:30 PM.

SHIFT DIFFERENTIAL:

- 2nd Shift (3:30 PM 12:00 AM): +17% of regular hourly rate
- Shift work must run for a minimum of 5 consecutive workdays.

OVERTIME:

- Hours in excess of 8 per day, or before or after the regular workday, that are not shift work, and the first 10 hours on Saturdays shall be paid at time and one-half of the regular rate, inclusive of benefits. Hours in excess of 10 per day on Saturday, and all hours on Sundays and holidays shall be at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Friday, at straight time, with hours in excess of 10 per day, and hours in excess of 40 per week paid at the overtime rates listed above.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

8/21/2024 Page 63 of 73

County - UNION

Craft: Sprinkler Fitter PREVAILING WAGE RATE

	07/01/24
Foreman	W73.06
	B39.71
	T112.77
General Foreman	W76.79
	B39.71
	T116.50
Journeyman	W68.56
	B39.71
	T108.27

Craft: Sprinkler Fitter APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES								
1000 Hours								80%	85%
Benefits						Intervals	9 to 10	Jourymn	Ben.

Craft: Sprinkler Fitter COMMENTS/NOTES

Apprentice rate schedule for those apprentices registered as of 7-1-13:

Interval Period and Rates

1000 Hrs. 25% 30% 40% 45% 55% 60% 70% 75% 85% 90% Ben. 14.31 14.31 29.86 29.86 29.86 Intervals 7-10 Journy. Ben.

Apprentice rate schedule for those apprentices registered as of 7-1-22:

Interval Period and Rates

1000 Hrs. 30% 35% 40% 45% 50% 55% 60% 70% 85% 95% Ben. 14.31 14.31 29.86 29.86 29.86 Intervals 7-10 Journy. Ben.

APPRENTICE RATE SCHEDULES AS OF 7-1-24:

Apprentice rate schedule for those apprentices registered as of 7-1-13:

Interval Period and Rates

1000 Hrs. 25% 30% 40% 45% 55% 60% 70% 75% 85% 90% Ben. 14.41 14.41 30.71 30.71 30.71 30.71 Intervals 7-10 Journy. Ben.

Apprentice rate schedule for those apprentices registered as of 7-1-22:

Interval Period and Rates

1000 Hrs. 30% 35% 40% 45% 50% 55% 60% 70% 85% 95% Ben. 14.41 14.41 30.71 30.71 30.71 30.71 Intervals 7-10 Journy. Ben.

The regular workday consists of 8 consecutive hours between 6:00 AM and 4:30 PM.

8/21/2024 Page 64 of 73

County - UNION

FOREMAN REQUIREMENTS:

- The first Sprinkler Fitter on the job must be designated a Foreman.
- On any job having 12 or more Sprinkler Fitters, one must be designated a General Foreman.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 2 consecutive workdays.
- 2nd and 3rd shift shall receive an additional 15% of the regular rate, per hour.
- Any "off hours" shift starting at 8:00 PM or later shall receive an additional 25% of the regular rate, per hour.

OVERTIME:

The first 2 hours in excess of 8 per day, after the regular workday that are not shift work, Monday through Friday, shall be paid at time and one-half the regular rate. Hours worked in excess of 10 per day, Monday through Friday, and all hours on Saturday, Sunday and holidays, shall be paid double the regular rate.

Four 10 hour days may be worked, Monday through Friday, at straight-time.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 65 of 73

County - UNION

Craft: Tile Finisher-Marble PREVAILING WAGE RATE

	07/01/24
Finisher	W49.99
	B37.54
	T87.53
1	

Craft: Tile Finisher-Marble APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
750 Hours	40%	60%	65%	70%	75%	85%	95%			
Benefits	Interval 1	thru 5 =	75% of	jyrnm. ben	rate	Interval 6	thru 7 =	full jyrnm	benefit	rate

Ratio of Apprentices to Journeymen - 1:4

Craft: Tile Finisher-Marble COMMENTS/NOTES

OVERTIME:

Hours in excess of 7 per day, Monday through Friday, and the first 7 hours on Saturdays shall be paid at time and one half the regular rate, inclusive of benefits. Hours in excess of 7 on Saturdays and all hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 66 of 73

County - UNION

Craft: Tile Setter - Ceramic PREVAILING WAGE RATE

	06/03/24
Finisher	W49.08 B32.98 T82.06
Setter	W63.91 B36.26 T100.17

Craft: Tile Setter - Ceramic APPRENTICE RATE SCHEDULE

INTERVAL		PERIOD AND RATES								
750 Hours	35%	40%	50%	55%	60%	65%	70%	75%	80%	90%

Ratio of Apprentices to Journeymen - 1:4

Craft: Tile Setter - Ceramic COMMENTS/NOTES

OVERTIME:

Hours in excess of 7 per day, and the first 10 hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Saturdays after 10 hours shall be paid double the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day.

8/21/2024 Page 67 of 73

County - UNION

Craft: Tile Setter - Marble PREVAILING WAGE RATE

	07/01/24
Tile Setter	W63.92
	B40.20
	T104.12

Craft: Tile Setter - Marble APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES									
750 Hours	40%	60%	65%	70%	75%	85%	95%			
Benefits	Interval 1	thru 5 =	75% of	jyrnm. ben	rate	Interval 6	thru 7 =	full jyrnm	benefit	rate

Ratio of Apprentices to Journeymen - 1:4

Craft: Tile Setter - Marble COMMENTS/NOTES

OVERTIME:

Hours in excess of 7 per day, Monday through Friday, and the first 7 hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. Hours in excess of 7 on Saturdays, and all hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 68 of 73

County - UNION

Craft: Tile Setter - Mosaic & Terrazzo

PREVAILING WAGE RATE

	07/01/24
Grinder or Assistant	W59.37
	B41.48
	T100.85
Mechanic	W60.98
	B41.49
	T102.47
Terrazzo Resinous	W50.76
Worker	B33.86
	T84.62
	I

Craft: Tile Setter - Mosaic & Terrazzo

APPRENTICE RATE SCHEDULE

INTERVAL	PERIOD AND RATES							
1500 Hours	35%	45%	60%	70%	80%	90%		

Ratio of Apprentices to Journeymen - 1:5

Craft: Tile Setter - Mosaic & Terrazzo

COMMENTS/NOTES

The regular workday consists of 7 hours, between 8:00 AM and 3:30 PM.

OVERTIME:

- Hours in excess of 7 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Good Friday, Monday after Easter, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

8/21/2024 Page 69 of 73

County - UNION

Craft: Truck Driver PREVAILING WAGE RATE

	05/01/24
Bucket, Utility,	W45.41
Pick-up, Fuel	B43.28
Delivery trucks	T88.69
Dump truck, Asphalt	W45.41
Distributor, Tack	B43.28
Spreader	T88.69
Euclid-type vehicles	W45.51
(large, off-road	B43.28
equipment)	T88.79
Helper on Asphalt	W45.41
Distributor truck	B43.28
	T88.69
Low Boy Driver	W47.01
	B43.28
	T90.29
Slurry Seal,	W45.41
Seeding/Fertilizing/	B43.28
Mulching truck	T88.69
Straight 3-axle truck	W45.41
	B43.28
	T88.69
Tractor Trailer	W45.51
(all types)	B43.28
	T88.79
Vacuum or Vac-All	W45.41
truck (entire unit)	B43.28
	T88.69
Winch Trailer	W45.61
	B43.28
	T88.89

Craft: Truck Driver COMMENTS/NOTES

BLENDED RATE:

When a truck driver is performing work on the site and also serving as a material delivery driver, the driver shall be paid a "blended rate" which shall be 80% of the above-listed wage rates, plus the full benefit rate. This rate shall be used when the driver "round robins" for a minimum of 6 hours during the work day.

HAZARDOUS WASTE REMOVAL:

- On hazardous waste removal work on a State designated hazardous waste site where the driver is in direct contact with hazardous materials and when personal protective equipment is required for respiratory, skin, and eye protection, the driver shall receive an additional \$3.00 per hour (with or without protective gear).
- A hazardous waste related certified worker at a designated hazardous waste site who is not working in a zone requiring level A, B or C personal protection shall receive an additional \$1.00 per hour.

Page 70 of 73

County - UNION

TRUCK FOREMAN: \$.75 cents per hour above regular rate. Overtime shall be increased accordingly.

The regular workday shall be 8 hours, starting between 6:00 AM and 8:00 AM.

SHIFT DIFFERENTIAL:

- Shifts starting at 4:00 PM (2nd Shift): + \$3.00 per hour.
- Shifts starting at 12:00 AM (midnight/3rd Shift): time and one-half the hourly rate.
- Shifts starting at a time other than from 6:00 AM to 8:00 AM, when such hours are mandated by the project owner: + \$3.00 per hour.

OVERTIME:

- Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Employees may work four 10-hour days at straight time, Monday through Thursday, with Friday used as a make-up day for a lost day. If Friday is not a make-up day, then all hours on Friday shall be paid at time and one-half the hourly rate.
- -Benefits on overtime shall be \$40.03.
- As of 5-1-23, benefits on overtime shall be \$41.53.
- As of 5-1-24, benefits on overtime shall be \$43.03.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day (Decoration Day), July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. The day after Thanksgiving may be substituted for Veteran's Day.

8/21/2024 Page 71 of 73

County - UNION

Craft: Truck Driver-Material Delivery Driver

PREVAILING WAGE RATE

	05/01/24
Driver	W37.62
	B43.28
	T80.90

Craft: Truck Driver-Material Delivery Driver COMMENTS/NOTES

BLENDED RATE:

When a truck driver is performing work on the site and also serving as a material delivery driver, the driver shall be paid a "blended rate". See the "Truck Driver" craft for the blended rates.

Truck Foreman/Shop Steward: +\$0.25 per hour

SHIFT DIFFERENTIALS:

- 2nd Shift shall receive an additional \$0.50 per hour
- 3rd Shift shall receive time and one-half the hourly rate.

OVERTIME:

- Hours in excess of 8 per day, or before or after the regular workday that are not shift work, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day (Decoration Day), July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. The day after Thanksgiving may be substituted for Veterans Day.

8/21/2024 Page 72 of 73

County - UNION

Craft:	Welder	PREVAILING WAGE RATE		
	Welder			
Craft:	Welder	COMMENTS/NOTES		
Welde	Welders rate is the same as the craft to which the welding is incidental.			

8/21/2024 Page 73 of 73

STATEWIDE RATES

TERRITORY ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

OPERATING ENGINEERS Rates Expiration Date:

{For apprentice rates refer to "Operating Engineers" apprentice rates in any county rate package}

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must be established for 5 consecutive workdays.
- Any work started outside of the allowed start time, 6:00 AM to 9:00 AM, except for * tidal work, shall be considered an irregular shift and paid at straight time, plus 15% for the first eight hours, inclusive of benefits.
- * FOR TIDAL WORK- a contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work), providing the eight hour shift is completed between the hours of 5:00 AM and 6:30 PM.
- All time worked in excess of an established shift (an established shift is a shift that is determined at the time of the bid) shall be paid at the applicable overtime rate. When a portion of an established shift works into Saturday, Sunday or a holiday, that time worked shall be paid at the established shift rate.
- When working with other trades who receive a higher irregular shift differential, these employees shall also receive the higher differential rate.

OVERTIME:

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veterans Day.

For projects bid after April 1, 2020, on hazardous waste removal work of any kind, including a state or federally designated site, where the operating engineer is required to wear level A, B, or C personal protection, the operating engineer shall receive an hourly wage rate of his regular hourly wage plus \$5.00 per hour.

- An operating engineer working at a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A, B, or C personal protection, shall receive an hourly wage rate of his regular rate plus \$1.00 per hour.

TERRITORY ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

PREVAILING WAGE RATE DETERMINATION

OPERATING ENGINEERS Rates Expiration Date :

Effective Dates:

Hydro-Blaster

Effective Dat	es:					
	07/01/2024		07/01/2025			
Rate 58.88	Fringe 39.15	Total 98.03	Total 100.53			
CLASSIFIC		98.03	100.55			
A-Frame	Anono.					
	1:					
Backhoe (co	mbination)					
Boom Attack	hment on loaders	s (Except pipehoo	ok)			
Boring & Dr	rilling Machine					
Brush Chop	per, Brush Shred	der, Tree Shredde	er, Tree Shearer			
Bulldozer, fi	nish grade					
Cableway						
Carryall						
Concrete Pu	mp					
Concrete Pu	mping System (I	Pumpcrete & sim	ilar types)			
Conveyor, 1	25 feet or longer					
Drill Doctor	(Duties include	dust collector and	d maintenance)			
Front End L	oader (2 cu. yds.	but less than 5 c	u. yds.)			
Grader, finis	h					
Groove Cutt	ing Machine (rid	le-on type)				
Heater Plane	er					
hydraulic, s	single and double of, and other simi	e drum, concrete, lar types, Except	es including steam, gas, dies , brick shaft caisson, : Chicago-boom type) * reco :00 ft. and over total height.	eeives an addtional \$1.	.00 per hour on 100	ft. up to 199 ft. total
Hydraulic Crane (10 tons & under)						
Hydraulic D	redge					
Hydro-Axe						

TERRITORY ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

PREVAILING WAGE RATE DETERMINATION

OPERATING ENGINEERS Rates Expiration Date:

Effective Dates:

	07/01/202	07/01/2025	
Rate	Fringe	Total	Total
58.88	39.15	98.03	100.53
	CATIONS:	- avvan an anotad vui	t an

CL

Jack (screw, air hydraulic, power-operated unit, or console type, Except hand jack or pile load test type)

Log Skidder

Pan

Paver, concrete

Plate & Frame Filter Press

Pumpcrete (unit type)

Pumpcrete, Squeezecrete, or Concrete Pumping machine (regardless of size)

Scraper

Side Boom

Straddle Carrier (Ross and similar types)

Whiphammer

Winch Truck (hoisting)

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date :

Effective Dates:

Effective Dat	es:					
	07/01/2024	1	07/01/2025			
Rate	Fringe	Total	Total			
56.97	39.15	96.12	98.62			
CLASSIFIC						
Asphalt Cur	bing Machine					
Asphalt Plar	nt Engineer					
Asphalt Spro	eader					
Autograde C	Curb Trimmer &	Sidewalk Shoul	der Slipform (CMI & similar types)			
Autograde C	Curecrete Machi	ne (CMI & simi	ar types)			
Autograde T	ube Finisher &	Texturing Mach	ine (CMI & similar types)			
Bar Bending	Machines (Pov	ver)				
Batcher, Bat	ching Plant, &	Crusher [On Site]			
Belt Convey	or System					
Boom-Type	Skimmer Mach	ine				
Bridge Deck	Finisher					
Bulldozer (a	ll sizes)					
Captain (Pov	wer Boats)					
Car Dumper	(railroad)					
cement, fly	Compressor & Blower unit for loading/unloading of concrete, cement, fly ash, or similar type materials (used independently or truck-mounted)					
Compressor	Compressor (2 or 3 battery)					
Concrete Breaking Machine						
Concrete Cleaning/Decontamination Machine						
Concrete Finishing Machine						
Concrete Sa	Concrete Saw or Cutter (ride-on type)					
Concrete Sp	reader (Hetzel,	Rexomatic & sir	nilar types)			
Concrete Vil	brator					

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date :

Effective Dates:

Ladder (motorized)

	07/01/2024	1	07/01/2025
Rate	Fringe	Total	Total
56.97	39.15	96.12	98.62
CLASSIFIC			
	under 125 feet		
Crane Signa	lman		
Crushing M	achine		
Directional	Boring Machine	•	
Ditching Ma	achine - Small (Ditchwitch, Verme	eer or similar types)
Dope Pot - I	Mechanical (wit	h or without pump)
Dumpster			
Elevator			
Fireman			
Fork Lift (E	conomobile, Lu	ll & similar types)	
		and over but less	
	2 or 3 battery)		
Giraffe Grin			
Goldhofer/F	Iydraulic Jackin	g Trailer	
Grader & M	otor Patrols		
Grout Pump			
Gunnite Ma	chine (Excludin	g nozzle)	
Hammer - V	ibratory (in con	junction with gene	erator)
Heavy Equi	pment Robotics	- Operator/Techni	cian
Hoist (roof,	tugger, aerial pl	atform hoist, hous	e car)
Hopper		,	,
	(4- 1)	
Hopper Doc	ors (power opera	ited)	

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

PREVAILING WAGE RATE DETERMINATION ENTIRE STATE

Tractor

Transfer Machines

OPERATING ENGINEERS Rates Expiration Date :

Effective Dat	tes:			
	07/01/202	4	07/01/2025	
Rate 56.97	Fringe 39.15	Total 96.12	Total 98.62	
CLASSIFIC		90.12	98.02	
Laddervator				
	(Dinky-type)			
Maintenance	e Utility Man			
Master Envi	ronmental Mai	ntenance Technicia	n	
Mechanic				
Mixer (Exce	ept paving mixe	ers)		
Pavement B		nounted or small sel	f-propelled	
Pavement B	reaker - mainte	nance of compresso	or or hydraulic unit	
Pipe Bendin	g Machine (por	wer)		
Pitch Pump				
Plaster Pump	p (regardless of	size)		
Post Hole D	igger (post pou	nder, auger)		
Rod Bending	g Machines			
Roller (black	k top)			
Scale (powe	r)			
Seamen Pulverizing Mixer				
Shoulder Wi	idener			
Silo				
Skimmmer I	Machine (boom	type)		
Steel Cutting	g Machine (ser	vice & maintenance)	
Tamrock Dr	ill			

07/03/2024

Page 6 of 52

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date:

Effective Dates:

	07/01/202	07/01/2025	
Rate	Fringe	Total	Total
56.97	39.15	96.12	98.62

CLASSIFICATIONS:

Tug Captains

Tug Master (Power Boats)

Ultra High Pressure Waterjet Cutting Tool System - Operator/Maintenance Technician

Vacuum Blasting Machine - Operator/Maintenance Technician

Vibrating Plant (used with unloading)

Welder & Repair Mechanic

Effective Dates:

	07/01/2025		
Rate	Fringe	Total	Total
51.63	39.15	90.78	93.28

CLASSIFICATIONS:

Assistant Engineer/Oiler

Driller's Helper

Field Engineer - Transit man or Instrument man

Maintenance Apprentice (Deckhand)

Maintenance Apprentice (Oiler)

Mechanic's Helper

Off Road Back Dump

Tire Repair & Maintenance

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
49.05	39.15	88.20	90.70

CLASSIFICATIONS:

Field Engineer - Rodman or Chainman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date :

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
59.21	39.15	98.36	100.86

CLASSIFICATIONS:

Lead Engineer, Foreman Engineer, Safety Engineer (minimum)

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

PREVAILING WAGE RATE DETERMINATION ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date :

Mucking Machine

Effective Date	<u>.</u>	Kates Expira	tion Date .		
	07/01/2024		07/01/2025		
Rate	Fringe	Total	Total		
60.47	39.15	99.62	102.12		
CLASSIFICA	TIONS:				
Autograde Pa	vement Profiler	(CMI & simila	r types)		
Autograde Pa types)	vement Profiler	r - Recycle Type	e (CMI & similar		
Autograde Pla similar types		preader Combir	nation (CMI &		
Autograde Sli	ipform Paver (C	CMI & similar ty	/pes)		
Backhoe (Exc	cavator)				
Central Power	r Plant				
Concrete Pavi	ing Machine				
Cranes, Derri	cks, Pile Driver	rs (all types), un	der 100 tons with a boom (including jib and/or leads) under 100 ft.		
Draglines					
Drill, Bauer, A	AMI and simila	r types			
Drillmaster, C)uarrymaster				
		own-the-hole dr ll, self-powered			
Elevator Grad	ler				
Field Enginee	er-Chief of Party	y			
Front End Loader (5 cu. yards or larger)					
Gradall					
Grader, Rago					
Helicoptor Co	o-Pilot				
Helicoptor Co	ommunications	Engineer			
Juntann Pile I	Oriver				
Locomotive (large)				

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE PREVAILING WAGE RATE DETERMINATION

Rates Expiration Date:

Effective Dates:

OPERATING ENGINEERS

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
60.47	39.15	99.62	102.12

CLASSIFICATIONS:

Pavement & Concrete	Breaker (Superhammer & Hoe Ram	(
Pile Driver		

Prentice Truck

Roadway Surface Grinder

Scooper (loader & shovel)

Shovel (Excavator)

Trackhoe (Excavator)

Tree Chopper with boom

Trenching Machine (cable plow)

Tunnel Boring Machine

Vacuum Truck

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE PREVAI OPERATING ENGINEERS Rates Expiration Date:

Effective Dates:

Sprinkler & Water Pump Trucks

Effective Dates	:		
	07/01/202	4	07/01/2025
Rate 55.34	Fringe 39.15	Total 94.49	Total 96.99
CLASSIFICAT		74.47	70.77
Chipper			
Compressor (s	ingle)		
Concrete Sprea		me)	
		elevator graders)	
Engines, Large	e Diesel (162	0 HP) & Staging I	Pump
Farm Tractor			
Fertilizing Equ	ipment (ope	ration & maintena	nce)
Fine Grade Ma	achine (small	type)	
Form Line Gra	nder (small ty	rpe)	
Front End Loa	der (under 1	cubic yard)	
Generator (sin	gle)		
Grease, Gas, F		ınnly Trucks	
Heaters (Nelso			
Lights - portab	ole generating	g light plant	
Mixer, Concre	te (small)		
Mulching Equ	ipment (oper	ation & maintenar	ace)
Power Broom	or Sweeper		
Pump (diesel e	engine & hyd	raulic - regardless	of power)
Pump (larger t	han 2 inch su	action, including su	ubmersible pumps)
Road Finishing	g Machine (s	mall type)	
Roller - grade,	fill, or stone	base	
Seeding Equip	ment (operat	ion & maintenanc	e)

07/03/2024

Page 11 of 52

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date :

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
55.34	39.15	94.49	96.99

CLASSIFICATIONS:

Steam Generator or Boiler

Stone Spreader

Tamping Machine (vibrating ride-on type)

Temporary Heating Plant (Nelson or other type, including proprane, natural gas, and flow-type units)

Water or Sprinkler Truck

Welding Machine (gas, diesel, or electric convertor, of any type)

Welding System - Multiple (rectifier transformer type)

Wellpoint Systems (including installation by bull gang and maintenance)

Effective Dates:

	07/01/2025		
Rate	Fringe	Total	Total
62.29	39.15	101.44	103.94

CLASSIFICATIONS:

Helicoptor Pilot/Engineer

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
66.97	39.15	106.12	108.62

CLASSIFICATIONS:

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with boom (including jib and/or leads) 140 ft. and over

Effective Dates:

	07/01/2025		
Rate Fringe Total			Total
65.97	39.15	105.12	107.62

CLASSIFICATIONS:

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with boom (including jib and/or leads) from 100 ft. to 139 ft.

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS Rates Expiration Date:

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
62.47	39.15	101.62	104.12

CLASSIFICATIONS:

Cranes, Derricks, Pile Driver (all types), under 100 tons with a boom (including jib and/or leads) 140 ft. and over

Effective Dates:

	07/01/202	07/01/2025	
Rate	Fringe	Total	Total
64.97	39.15	104.12	106.62

CLASSIFICATIONS:

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with a boom (including jib and/or leads) under 100 ft.

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
61.47	39.15	100.62	103.12

CLASSIFICATIONS:

Cranes, Derricks, Pile Driver (all types), under 100 tons with a boom (including jib and/or leads) from 100 ft. to 139 ft.

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

STRUCTURAL STEEL ERECTION Rates Expiration Date:

{For apprentice rates refer to "Operating Engineers" apprentice rates in any county rate package}

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must be established for 5 consecutive workdays.
- Any work started outside of the allowed start time, 6:00 AM to 9:00 AM, except for * tidal work, shall be considered an irregular shift and paid at straight time, plus 15% for the first eight hours, inclusive of benefits.
- * FOR TIDAL WORK- a contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work), providing the eight hour shift is completed between the hours of 5:00 AM and 6:30 PM.
- All time worked in excess of an established shift (an established shift is a shift that is determined at the time of the bid) shall be paid at the applicable overtime rate. When a portion of an established shift works into Saturday, Sunday or a holiday, that time worked shall be paid at the established shift rate.
- When working with other trades who receive a higher irregular shift differential, these employees shall also receive the higher differential rate.

OVERTIME:

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veterans Day.

For projects bid after April 1, 2020, on hazardous waste removal work of any kind, including a state or federally designated site, where the operating engineer is required to wear level A, B, or C personal protection, the operating engineer shall receive an hourly wage rate of his regular hourly wage plus \$5.00 per hour.

- An operating engineer working at a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A, B, or C personal protection, shall receive an hourly wage rate of his regular rate plus \$1.00 per hour.

Effective Dates:

07/01/2024			07/01/2025
Rate Fringe Total			Total
64.10	39.15	103.25	105.75

CLASSIFICATIONS:

Helicopter Co-Pilot & Communications Engineer

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

STRUCTURAL STEEL ERECTION Rates Expiration Date :

Effective Dates:

07/01/2024			07/01/2025
Rate Fringe Total			Total
60.04	39.15	99.19	101.69

CLASSIFICATIONS:

A-Frame

Cherry Picker -10 tons or less (Over 10 tons use crane rate)

Hoist (all types Except Chicago-boom)

Jack (screw, air hydraulic, power-operated unit or console type, Except hand jack or pile load test type)

Side Boom

Straddle Carrier

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT

PREVAILING WAGE RATE DETERMINATION

STRUCTURAL STEEL ERECTION **Rates Expiration Date:**

Effective Dates:

	07/01/2024	1	07/01/2025
Rate	Fringe	Total	Total
57.38	39.15	96.53	99.03
CLASSIFIC			
Aerial Platfo	orm Used On H	oists	
Apprentice 1	Engineer/Oiler v	with Compressor o	r Welding Machine
Captain (Po	wer Boats)		
Compressor	(2 or 3 in batter	ry)	
Concrete Cl	eaning/Deconta	mination Machine	Operator
Conveyor or	Tugger Hoist		
	Boring Machine	:	
Elevator or 1			
	nouse Car		
Fireman			
Forklift			
Generator (2	2 or 3)		
Heavy Equi	pment Robotics	, Operator/Technic	ian
Maintenance	e Utility Man		
Master Envi	ronmental Mair	ntenance Technicia	n
Tug Master	(Power Boats)		
Ultra High I	Pressure Waterje	et Cutting Tool Sys	tem Operator/Mainte
Vacuum Bla	sting Machine (Operator/Maintena	nce Technician

Welding Machines, Gas or Electric Converters on any type-2 or 3 in battery including diesels

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

STRUCTURAL STEEL ERECTION Rates Expiration Date:

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
55.85	39.15	95.00	97.50

CLASSIFICATIONS:

Compressor (Single)

Generators

Welding Machines, Gas, Diesel, Or Electric Converters of any type-single

Welding System, Multiple (Rectifier Transformer Type)

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
52.09	39.15	91.24	93.74

CLASSIFICATIONS:

Assistant Engineer/Oiler

Drillers Helper

Field Engineer - Transit/Instrument Man

Maintenance Apprentice (Deckhand)

Maintenance Apprentice (Oiler)

Off Road Back Dump

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
59.66	39.15	98.81	101.31

CLASSIFICATIONS:

Lead Engineer, Foreman Engineer, Safety Engineer (Minimum)

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
49.05	39.15	88.20	90.70

CLASSIFICATIONS:

Field Engineer - Rodman or Chainman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

STRUCTURAL STEEL ERECTION Rates Expiration Date:

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
60.80	39.15	99.95	102.45

CLASSIFICATIONS:

Field Engineer-Chief of Party

Vacuum Truck

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
68.99	39.15	108.14	110.64

CLASSIFICATIONS:

Cranes (all cranes, land or floating with booms, including jib, 140 ft. and over, above ground). Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, 140 ft. and over, above ground), and Pile Drivers (all types) 100 tons and over and Tower Cranes.

Effective Dates:

07/01/2024			07/01/2025
Rate Fringe Total			Total
67.33	39.15	106.48	108.98

CLASSIFICATIONS:

Cranes (all cranes, land or floating with booms including jib, less than 140 ft. above ground), Derricks (all derricks. land, floating or Chicago Boom type with booms including jib, less than 140 ft. above ground), Pile Drivers (all types), 100 tons and over and Tower Crane.

Effective Dates:

07/01/2024			07/01/2025
Rate Fringe Total			Total
64.49	39.15	103.64	106.14

CLASSIFICATIONS:

Cranes (all cranes, land or floating with booms including jib, 140 ft. and over, above ground), Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, 140 ft. and over, above ground), Pile Drivers (all types), under 100 tons.

Effective Dates:

07/01/2024			07/01/2025
Rate Fringe Total			Total
62.83	39.15	101.98	104.48

CLASSIFICATIONS:

Cranes (all cranes, land or floating with booms including jib, less than 140 ft. above ground), Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, less than 140 ft. above ground), Pile Drivers (all types), under 100 tons.

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

STRUCTURAL STEEL ERECTION Rates Expiration Date:

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
64.49	39.15	103.64	106.14

CLASSIFICATIONS:

Helicopter Pilot & Engineer

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

TEST BORING PRELIMINARY TO CONSTRUCTION-SOUTH/WEST Rates Expiration Date:

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Monmouth, Ocean, Salem, Sussex, Warren

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 5:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must be established for 5 consecutive workdays.
- Any work started outside of the allowed start time, 6:00 AM to 9:00 AM, except for * tidal work, shall be considered an irregular shift and paid at straight time, plus 15% for the first eight hours, inclusive of benefits.
- * FOR TIDAL WORK- a contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work), providing the eight hour shift is completed between the hours of 5:00 AM and 6:30 PM.
- All time worked in excess of an established shift (an established shift is a shift that is determined at the time of the bid) shall be paid at the applicable overtime rate. When a portion of an established shift works into Saturday, Sunday or a holiday, that time worked shall be paid at the established shift rate.
- When working with other trades who receive a higher irregular shift differential, these employees shall also receive the higher differential rate.

OVERTIME:

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veterans Day.

For projects bid after April 1, 2020, on hazardous waste removal work of any kind, including a state or federally designated site, where the operating engineer is required to wear level A, B, or C personal protection, the operating engineer shall receive an hourly wage rate of his regular hourly wage plus \$5.00 per hour.

- An operating engineer working at a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A, B, or C personal protection, shall receive an hourly wage rate of his regular rate plus \$1.00 per hour.

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
60.47	39.15	99.62	102.12

CLASSIFICATIONS:

Driller

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
53.63	39.15	92.78	95.28

CLASSIFICATIONS:

Driller's Helper

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

FREE AIR TUNNEL JOBS Rates Expiration Date :

{For apprentice rates refer to "Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

Traffic Control Coordinator: When either of the work classifications found below are working as a Traffic Control Coordinator they are to receive \$.75 above their current rate of pay.

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
65.06	37.33	102.39	106.26	109.94

CLASSIFICATIONS:

Walking Boss & Superintendent

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
64.69	37.33	102.02	105.88	109.57

CLASSIFICATIONS:

Heading Foreman, Shaft Foreman, Rod Foreman, Electrician Foreman, Rigging Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

FREE AIR TUNNEL JOBS Rates Expiration Date :

Effective Dates:

	04/17/202	24	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
64.06	37.33	101.39	105.26	108.94

CLASSIFICATIONS:

Iron Foreman, Caulking Foreman, Form Foreman, Cement Finishing Foreman, Concrete Foreman, Track Foreman, Cleanup Foreman, Grout Foreman

Effective Dates:

	04/17/202	24	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
67.19	37.33	104.52	108.38	112.07

CLASSIFICATIONS:

Blaster

Effective Dates:

04/17/2024			03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total	
63.38	37.33	100.71	104.57	108.26	

CLASSIFICATIONS:

Top Labor Foreman

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
62.94	37.33	100.27	104.13	107.82

CLASSIFICATIONS:

Skilled Men (including Caulker, Powder Carrier, all other skilled men)

Skilled Men (including Miner, Drill Runner, Iron Man, Conveyor Man, Manitenance Man, Safety Miner, Rigger, Block Layer, Cement Finisher, Tod Man)

Effective Dates:

04/17/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
62.75	37.33	100.08	103.94	107.63

CLASSIFICATIONS:

Semi-Skilled Men (including Bell or Signal Man Top or Bottom, Form Worker & Mover, Concrete Worker, Shaft Man, Tunnel Laborer, Caulker's Helper, all other semi-skilled)

Semi-Skilled Men (including Miner's Helper, Chuck Tender, Track Man, Nipper, Brake Man, Derail Man, Cable Man, Hose Man, Gravel Man, Form Man)

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

FREE AIR TUNNEL JOBS Rates Expiration Date :

Effective Dates:

	04/17/202	4	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
62.25	37.33	99.58	103.44	107.13

CLASSIFICATIONS:

All Others (including Powder Watchman, Change House Attendant, Top Laborer)

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

DRILL FOR GROUND WATER SUPPLY Rates Expiration Date:

The well driller and/or helper may perform all work relative to the construction, finishing, and servicing of wells, pumps and borings for ground water supply. The present methods of well drilling entailing as they do, many diverse job operations calling for drilling, pump discharge, piping, and the operation of various types of related power equipment, shall all be within the job duties and functions of the well driller and/or helper. In the event that an extension of work should occur beyond water well drilling functions, into the field of general construction work, such extension of work would come under the appropriate rates listed elsewhere in this wage determination.

- For Work Hours, Shift Differentials, Overtime Rates, and Recognized Holidays see the "Operating Engineers" section of this wage determination.

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
59.22	39.15	98.37	100.87

CLASSIFICATIONS:

Driller

Effective Dates:

07/01/2024			07/01/2025
Rate	Fringe	Total	Total
52.38	39.15	91.53	94.03

CLASSIFICATIONS:

Driller's Helper

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

OPERATING ENGINEERS MARINE-DREDGING Rates Expiration Date:

NOTE: These wage rates only apply to dredging and other marine construction activities occurring in navigable waters and their tributaries.

Boat crews carrying explosive material (dynamite, pourfex, and other similar materials) shall be paid at 120% of the hourly wage rate for hours engaged in handling of said materials. Employees required to possess a Hazardous Material Certification as a condition of employment shall be compensated at 120% of the hourly wage rate.

OVERTIME:

Hours in excess of 40 per week, and all hours on Saturdays and Sundays, shall be paid at time and one-half the hourly rate. All hours on holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Martin Luther King Day, Good Friday, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

Effective Dates:

10/01/2023

Rate	Fringe	Total
45.26	15.22	60.48

CLASSIFICATIONS:

Lead Dredgerman, Operator, Leverman

Licensed Tug Operator (over 1000 HP)

Effective Dates:

10/01/2023

Rate	Fringe	Total
39.14	14.79	53.93

CLASSIFICATIONS:

Derrick Operator, Spider/Spill Barge Operator

Engineer, Electrician, Chief Welder, Chief Mate

Fill Placer, Operator II

Licensed Boat Operator

Maintenance Engineer

Effective Dates:

10/01/2023

Rate	Fringe	Total
36.84	14.63	51.47

CLASSIFICATIONS:

Certified Welder

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

OPERATING ENGINEERS MARINE-DREDGING Rates Expiration Date :

Effective Dates:

10/01/2023

Rate Fringe Total 35.83 14.31 50.14

CLASSIFICATIONS:

Mate, Drag Barge Operator, Steward, Assistant Fill Placer

Welder

Effective Dates:

10/01/2023

Rate Fringe Total 34.68 14.23 48.91

CLASSIFICATIONS:

Boat Operator

Effective Dates:

10/01/2023

Rate Fringe Total 28.81 13.82 42.63

CLASSIFICATIONS:

Shoreman, Deckhand, Rodman, Scowman

Effective Dates:

10/01/2023

Rate Fringe Total 40.33 14.87 55.20

CLASSIFICATIONS:

Crane Operator

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

MICROSURFACING/SLURRY SEAL Rates Expiration Date :

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Ocean, Salem

IN ALL OTHER COUNTIES use the Heavy and General Laborers - North "Slurry Seal Laborer" rates.

SHIFT DIFFERENTIALS:

Any shift starting at 3:30 PM or later shall receive an additional \$0.35/hr

OVERTIME:

Hours in excess of 8 per day or 40 per week shall be paid at time and one-half the hourly rate. All hours on holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

Effective Dates:

03/01/	2017
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Rate	Fringe	Total
36.50	21.27	57.77

CLASSIFICATIONS:

Foreman

Effective Dates:

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Rate	Fringe	Total
33.80	21.27	55.07

CLASSIFICATIONS:

Box man

Effective Dates:

Rate	Fringe	Total
31.75	21.27	53.02

CLASSIFICATIONS:

Microsurface/Slurry Preparation

Effective Dates:

03/01/2017

Rate	Fringe	Total
31.75	21.27	53.02

CLASSIFICATIONS:

Squeegee man

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

MICROSURFACING/SLURRY SEAL Rates Expiration Date :

Effective Dates:

03/01/2017

Rate Fringe Total 30.30 21.27 51.57

CLASSIFICATIONS:

Cleaner, Taper

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ASPHALT LABORERS - SOUTH Rates Expiration Date :

"THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY: Atlantic, Burlington, Camden, Cape May, Cumberland,

Gloucester, Mercer, Ocean, Salem

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

FOR TIDE WORK (pertains to tidal water): A contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work) providing the eight (8) hour shift is completed between the hours of 5:00 AM and 6:30 PM.

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
53.55	37.33	90.88	94.33	97.58

CLASSIFICATIONS:

Paving Foreman

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
50.10	37.33	87.43	90.88	94.13

CLASSIFICATIONS:

Head Raker

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.25	37.33	87.58	91.03	94.28

CLASSIFICATIONS:

Screedman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE PRE

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
49.70	37.33	87.03	90.48	93.73

Rates Expiration Date:

CLASSIFICATIONS:

Tampers, Smoothers, Kettlemen, Painters, Shovelers, Roller Boys

ASPHALT LABORERS - SOUTH

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
49.80	37.33	87.13	90.58	93.83

CLASSIFICATIONS:

Milling Controller

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
50.00	37.33	87.33	90.78	94.03

CLASSIFICATIONS:

Traffic Control Coordinator

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
49.95	37.33	87.28	90.73	93.98

CLASSIFICATIONS:

Raker, Luteman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

TEST BORING PRELIMINARY TO CONSTRUCTION-NORTH Rates Expiration Date:

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Bergen, Essex, Hudson, Middlesex, Morris, Passaic, Somerset, Union

SHIFT DIFFERENTIAL:

Employees on a shift other than between the hours of 8:00 AM and 5:00 PM shall receive an additional \$2.00 per hour.

OVERTIME:

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

Hazardous Waste Pay (for Levels A, B, and C): an additional 15% of the hourly rate, per hour.

A newly hired Helper with no experience in the industry shall be paid as follows:

1st year on the job - 70% of Helper wage rate

2nd year on the job - 80% of Helper wage rate

3rd year on the job - 90% of Helper wage rate

All helpers receive full fringe benefit rate.

Effective Dates:

12/01/2023

Rate	Fringe	Total
36.28	33.49	69.77

CLASSIFICATIONS:

Helper (4th year helper)

Effective Dates:

12/01/2023

Rate	Fringe	Total
46.25	33.49	79.74

CLASSIFICATIONS:

Driller

Effective Dates:

12	/01	121	023

Rate	Fringe	Total
52.66	33.49	86.15

CLASSIFICATIONS:

Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

HEAVY & GENERAL LABORERS - NORTH Rates Expiration Date :

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Passaic, Somerset, Sussex, Union, Warren

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

FOR TIDE WORK (pertains to tidal water): A contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work) providing the eight (8) hour shift is completed between the hours of 5:00 AM and 6:30 PM.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
49.30	37.33	86.63	90.08	93.33

CLASSIFICATIONS:

"D" Rate:

basic, landscape, asphalt, slurry seal, or railroad track laborer; utility meter installer; flagman; salamander tender; pitman; dumpman; rakers or tampers on cold patch work; wrappers or coaters of pipe; waterproofer; timberman; wagon drill or drill master helper; powder carrier; magazine tender; signal man; power buggy operator; tree cutter; operator of basic power tools

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.00	37.33	87.33	90.78	94.03

CLASSIFICATIONS:

"C" Rate:

pipe layer; laser man; conduit or duct line layer; operator of jack hammer, chipping hammer, pavement breaker, concrete cutter, asphalt cutter, sheet hammer, or walk-behind saw cutter; sandblaster; acetylene cutting or burning; wagon drill, directional drill, or hydraulic drill operator; drill master; core driller; asphalt raker or lute man

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

HEAVY & GENERAL LABORERS - NORTH Rates Expiration Date :

Effective Dates:

04/17/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
50.25	37.33	87.58	91.03	94.28

CLASSIFICATIONS:

"B" Rate:

concrete finisher; setter of brick or stone pavers; stone cutter; form setter; manhole, catch basin, or inlet builder; asphalt screedman; rammer; hardscaping; gunite nozzle man

Effective Dates:

04/17/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
53.80	37.33	91.13	94.58	97.83

CLASSIFICATIONS:

"A" Rate:

blaster

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
53.55	37.33	90.88	94.33	97.58

CLASSIFICATIONS:

"FOREMAN" Rate:

labor foreman, asphalt foreman, drill foreman, pipe foreman, grade foreman, finisher foreman, concrete foreman

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
54.55	37.33	91.88	95.33	98.58

CLASSIFICATIONS:

"GENERAL FOREMAN" Rate

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.75	37.33	88.08	91.53	94.78

CLASSIFICATIONS:

TRAFFIC CONTROL COORDINATOR Rate

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

HEAVY & GENERAL LABORERS - SOUTH Rates Expiration Date :

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Ocean, Salem

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

FOR TIDE WORK (pertains to tidal water): A contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work) providing the eight (8) hour shift is completed between the hours of 5:00 AM and 6:30 PM. OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
49.30	37.33	86.63	90.08	93.33

CLASSIFICATIONS:

basic, landscape, or railroad track laborer; utility meter installer; flagman; salamander tender; pitman; dumpman; rakers or tampers on cold patch work; wrappers or coaters of pipe; waterproofers; tree cutter, timberman

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
49.30	37.33	86.63	90.08	93.33

CLASSIFICATIONS:

wagon drill or drill master helper; powder carrier; magazine tender; signal man

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

HEAVY & GENERAL LABORERS - SOUTH Rates Expiration Date :

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
50.00	37.33	87.33	90.78	94.03

CLASSIFICATIONS:

pipe layer; laser man; conduit or duct line layer; operator of jack hammer, chipping hammer, pavement breaker, concrete cutter, asphalt cutter, sheet hammer, or walk-behind saw cutter; sandblaster; acetylene cutting or burning

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.00	37.33	87.33	90.78	94.03

CLASSIFICATIONS:

wagon or directional drill operator; drill master

Effective Dates:

03/21/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
53.80	37.33	91.13	94.58	97.83

CLASSIFICATIONS:

blaster

Effective Dates:

	03/21/202	4	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
53.55	37.33	90.88	94.33	97.58

CLASSIFICATIONS:

labor foreman, drill foreman, pipe foreman, grade foreman, finisher foreman, concrete foreman

Effective Dates:

03/21/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
54.55	37.33	91.88	95.33	98.58

CLASSIFICATIONS:

general foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

HEAVY & GENERAL LABORERS - SOUTH Rates Expiration Date :

Effective Dates:

	03/21/202	4	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.25	37.33	87.58	91.03	94.28

CLASSIFICATIONS:

concrete finisher; setter of brick or stone pavers; stone cutter; form setter; manhole, catch basin, or inlet builder; rammer; gunite nozzle man

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

PIPELINE - MAINLINE TRANSMISSION Rates Expiration Date :

These rates apply to the following: welding on Transportation Mainline pipe lines (cross-country pipe lines, or any segments thereof, transporting coal, gas, oil, water or other transportable materials, vapors or liquids, including portions of such pipe lines within private property boundaries up to the final metering station or connection - the point where a valve, consumer connection, or town border station divides mainline transmission lines or higher pressure lateral and branch lines from lower pressure distribution systems).

PER DIEM PAYMENT:

In addition to the total wage rate paid for each craft, the following per diem (per day) amounts must also be paid - Pipeline Journeyman: \$80.50; Pipeline Journeyman Welder: \$140.50; and Pipeline Helper: \$64.50. Note: in order to receive the per diem payment an employee must work a minimum of 8 hours in a 24 hour period.

NOTES:

- Journeymen employed as "stringer bead" welders and journeymen who are regularly employed as "hot-pass" welders shall receive \$1.00 per hour more than other journeymen.
- Welders running "stringer bead" or "hot-pass" on "cutouts" or "tie-ins" on a production basis shall be paid \$1.00 per hour above the journeymen rate.
- Whenever a welder helper is employed using a power buffer or power grinder immediately behind the stringer bead and/or hot-pass welders, and the pipe gang is set on a production basis, the helper shall be paid \$2.00 per hour above the helper rate.
- If back welding is performed inside a pipe under either or both of the following conditions, the welder engaged in the welding will receive \$3.00 per hour above the regular rate for the job only for the days on which such back welding is performed:
 - The employer elects, as a regular procedure, to back weld each line-up. This condition is not intended to apply to occasional back welding performed by the pipe gang to repair a bead, to rectify a "high-lo" condition or wall thickness, etc.
 - A welder is required to back weld a completed weld behind the firing line.
- If the welder helper is required to go inside the pipe for the purpose of brushing, buffing and grinding the weld, they shall receive a wage rate \$1.00 per hour above the regular

helper rate for the days involved.

- Welders working on "hot work" shall be paid \$2.00 per hour above the regular rate for each day engaged in such work. "Hot work' is defined as work on lines in service where there is the danger of fire or explosion.

The regular workday shall be 8 hours, between 8:00 AM and 4:30 PM.

OVERTIME:

Hours in excess of 8 per day, and all hours on Sundays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

Effective Dates:

	06/13/2024		
Rate	Fringe	Total	
57.34	35.90	93.24	

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CLASSIFICATIONS:

Pipeline Journeyman Welder

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

PIPELINE - MAINLINE TRANSMISSION Rates Expiration Date :

Effective Dates:

06/13/2024

Rate Fringe Total 57.34 35.90 93.24

CLASSIFICATIONS:

Pipeline Journeyman

Effective Dates:

06/13/2024

Rate Fringe Total 33.84 25.02 58.86

CLASSIFICATIONS:

Pipeline Helper

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

PIPELINE - GAS DISTRIBUTION Rates Expiration Date :

These rates apply to the following: welding on gas line distribution systems (that portion of the gas distribution system placed in streets, roads, subways, tunnels, viaducts, highways and easements which serves the users of gas).

SHIFT DIFFERENTIALS:

An "irregular" shift may start any time from 5:00 PM to 12:00 AM, Monday through Friday, and shall receive an additional 15% of the regular rate per hour, inclusive of benefits.

OVERTIME:

Hours in excess of forty per week, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

Effective Dates:

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Rate	Fringe	Total
64.70	31.84	96.54

CLASSIFICATIONS:

Pipeline Journeyman Welder

Effective Dates:

11/01/2023

Rate	Fringe	Total
64.70	31.84	96.54

CLASSIFICATIONS:

Pipeline Journeyman

Effective Dates:

11/01/2023

Rate	Fringe	Total
41.00	23.56	64.56

CLASSIFICATIONS:

Pipeline Helper

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ASPHALT LABORERS- NORTH Rates Expiration Date:

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Passaic, Somerset, Sussex, Union, Warren {For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

FOR TIDE WORK (pertains to tidal water): A contractor can start their job according to tide schedules (tide schedules are the various high and low tides related to this work) providing the eight (8) hour shift is completed between the hours of 5:00 AM and 6:30 PM.

Effective Dates:

04/17/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
53.55	37.33	90.88	94.33	97.58

CLASSIFICATIONS:

Asphalt Foreman

Effective Dates:

	04/17/202	4	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.25	37.33	87.58	91.03	94.28

CLASSIFICATIONS:

Asphalt Screedman

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
50.00	37.33	87.33	90.78	94.03

CLASSIFICATIONS:

Asphalt Raker or Lute Man

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ASPHALT LABORERS- NORTH Rates Expiration Date :

Effective Dates:

	04/17/202	4	03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
49.30	37.33	86.63	90.08	93.33

CLASSIFICATIONS:

Asphalt Laborer

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (NORTH) Rates Expiration Date:

Electrician-Utility Work (North)

(For apprentice rates refer to Electrician-Utility Work (North) in any county rate package).

These rates apply to work contracted for by the following utility companies:

Public Service Electric & Gas Co. of NJ, GPU Energy, Borough of Madison Electric Department, Sussex Rural

Electric Cooperative, Rockland Utilities, and Butler Municipal Electric Co.

These rates do not apply to work on substations or switching stations.

For Utility work contracted for by a utility company other than those listed above or those listed under "Electrician-

Utility Work (South), see the "Outside Commercial Rates" for the county in which the jobsite is located.

* FOR OUTSIDE COMMERCIAL RATES PLEASE SEE COUNTY RATES

The regular workday is 8 hours, between 6:00 AM and 6:00 PM.

FOR EMERGENCY WORK ONLY: (emergency work is defined as work caused by storm, catastrophe, act of god, and circumstances beyond the control of the employer)-all hours of work shall be paid at double the hourly rate.

SHIFT DIFFERENTIALS:

Shift work must run for a minimum of 5 consecutive workdays.

2nd shift (between the hours of 4:30 PM and 1:00 AM): 8 hours of work + 17.3% of the regular rate, inclusive of benefits.

3rd shift (between the hours of 12:30 AM and 9:00 AM): 8 hours of work + 31.4% of the regular rate per hour, inclusive of benefits.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular wokday Monday through Friday, that is not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.

Four 10-hour days may worked, at straight time, between 6:00 AM and 6:00 PM, Monday through Thursday.

RECOGNIZED HOLIDAYS:

New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day and Christmas Day, or day on which they are legally observed.

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
62.94	43.42	106.36	109.56

CLASSIFICATIONS:

Chief Lineman

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
59.38	40.97	100.35	103.36

CLASSIFICATIONS:

Journeyman Lineman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (NORTH) Rates Expiration Date :

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
59.38	40.97	100.35	103.36

CLASSIFICATIONS:

Special License Operator

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
58.79	40.56	99.35	102.32

CLASSIFICATIONS:

Transit Man

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
57.00	39.33	96.33	99.21

CLASSIFICATIONS:

Line Equipment Operator

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
49.88	34.41	84.29	86.81

CLASSIFICATIONS:

Dynamite Man

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
74.23	51.21	125.44	129.20

CLASSIFICATIONS:

General Foreman

Effective Dates:

12/03/2023			12/01/2024
Rate	Fringe	Total	Total
68.29	47.12	115.41	118.85

CLASSIFICATIONS:

Assistant General Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

Rates Expiration Date:

ENTIRE STATE PREVAILING WAGE R

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
66.51	45.89	112.40	115.76

ELECTRICIAN- UTILITY WORK (NORTH)

CLASSIFICATIONS:

Line Foreman

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
48.10	33.18	81.28	83.72

CLASSIFICATIONS:

Street Light Mechanical Leader

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
45.72	31.54	77.26	79.58

CLASSIFICATIONS:

Groundman Winch Operator

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
45.72	31.54	77.26	79.58

CLASSIFICATIONS:

Groundman Truck Operator

Effective Dates:

	12/01/202		
Rate	Fringe	Total	Total
45.13	31.13	76.26	78.55

CLASSIFICATIONS:

Street Light Mechanic

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
45.13	31.13	76.26	78.55

CLASSIFICATIONS:

Line Equipment Mechanic

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

Rates Expiration Date:

ENTIRE STATE PR

ELECTRICIAN- UTILITY WORK (NORTH)

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
38.60	26.63	65.23	67.17

CLASSIFICATIONS:

Groundman 2nd Year

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
35.63	24.58	60.21	62.02

CLASSIFICATIONS:

Groundman 1st Year

Effective Dates:

	12/01/2024		
Rate	Fringe	Total	Total
58.79	40.56	99.35	102.32

CLASSIFICATIONS:

Line Equipment Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (SOUTH) Rates Expiration Date:

Electrician-Utility Work (South)

(For apprentice rates refer to Electrician-Utility Work (South) in any county rate package).

These rates apply to work contracted for by the following utility company:

Atlantic City Electric.

These rates do not apply to work on substations or switching stations.

For utility work contracted for by a utility company other than the one listed above or those listed under "Electrician-

Utility Work (North), see the "Outside Commercial Rates" for the county in which the jobsite is located.

* FOR OUTSIDE COMMERCIAL RATES PLEASE SEE COUNTY RATES

The regular workday is 8 hours, between 7:00 AM and 4:30 PM.

FOR EMERGENCY WORK ONLY: (emergency work is defined as work caused by storm, catastrophe, act of god, and circumstances beyond the control of the employer)- all hours of work shall be paid at double the hourly rate.

SHIFT DIFFERENTIALS:

Shift work must run for a minimum of 5 consecutive workdays.

When two (2) or three (3) shifts are worked the following shall apply:

1st shift (between the hours of 8:00 AM and 4:30 PM)

2nd shift (between the hours of 4:30 PM and 12:30 AM): 8 hours of work + 10% of the regular rate of pay for 7.5 hours worked.

3rd shift (between the hours of 12:30 AM and 8:00 AM): 8 hours of work + 15% of the regular rate of pay for 7 hours worked.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular wokday Monday through Friday, that is not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate. All hours on Sundays and Holidays shall be paid double the hourly rate.

Four 10-hour days may be worked, at straight time, between 6:00 AM and 6:00 PM, Monday through Thursday with Friday used as a make-up day.

RECOGNIZED HOLIDAYS:

New Year's Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day and Christmas Day or on days celebrated.

WORKING RULES:

There shall be a Foreman in charge of each work crew. No crews are to exceed twelve (12) men, including Foremen.

There shall be a General Foreman designated for transmission work when three (3) or more crews are on the same job and for distribution work where there are are more than twenty (20) employees on site.

A small job crew shall consist of five (5) or less employees, one (1) of the Journeyman Linemen in the crew shall be designated as a Small Job Foreman.

Work performed from ladders and/or mechanical lift equipment shall be the work of Linemen and/or Apprentices.

On new construction, fitting and framing poles, towers or structures may be done by Journeymen and/or Apprentices. Groundmen may assist, but may not perform any work which would be performed by Linemen if assembled in the air.

There shall be a Journeyman Lineman in each pole setting, erection, grounding, wire and cable-pulling crew of more than three (3) men.

Effective Dates:

12/03/2023

Rate	Fringe	Total
69.38	57.15	126.53

CLASSIFICATIONS:

General Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (SOUTH) Rates Expiration Date:

Effective Dates:

12/03/2023

Rate Fringe Total 61.79 52.45 114.24

CLASSIFICATIONS:

Foreman

Effective Dates:

12/03/2023

Rate Fringe Total 58.54 50.46 109.00

CLASSIFICATIONS:

Small Job Foreman

Effective Dates:

12/03/2023

Rate Fringe Total 54.20 47.78 101.98

CLASSIFICATIONS:

Heavy Equipment Operator

Effective Dates:

12/03/2023

Rate Fringe Total 54.20 47.78 101.98

CLASSIFICATIONS:

Cable Splicer

Effective Dates:

12/03/2023

Rate Fringe Total 54.20 47.78 101.98

CLASSIFICATIONS:

Journeyman Lineman

Effective Dates:

12/03/2023

Rate Fringe Total 54.20 47.78 101.98

CLASSIFICATIONS:

Journeyman Welder

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (SOUTH) Rates Expiration Date:

Effective Dates:

12/03/2023

Rate Fringe Total 54.20 47.78 101.98

CLASSIFICATIONS:

Journeyman Painter

Effective Dates:

12/03/2023

Rate Fringe Total 43.36 41.09 84.45

CLASSIFICATIONS:

Light Equipment Operator

Effective Dates:

12/03/2023

Rate Fringe Total 37.94 37.71 75.65

CLASSIFICATIONS:

Groundman Truck Driver

Effective Dates:

12/03/2023

Rate Fringe Total 35.23 36.05 71.28

CLASSIFICATIONS:

Groundman 3rd Year

Effective Dates:

12/03/2023

Rate Fringe Total 32.52 34.37 66.89

CLASSIFICATIONS:

Groundman 2nd Year

Effective Dates:

12/03/2023

Rate Fringe Total 29.81 32.69 62.50

CLASSIFICATIONS:

Groundman 1st Year

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

ELECTRICIAN- UTILITY WORK (SOUTH) Rates Expiration Date :

Effective Dates:

12/03/2023

Rate Fringe Total 23.85 29.03 52.88

CLASSIFICATIONS:

Flagman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS Rates Expiration Date :

THESE RATES APPLY TO CONSTRUCTION ON NEW TRANS HUDSON TUNNELS ONLY

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

SHIFT DIFFERENTIALS:

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

OVERTIME:

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

Hazardous Waste Work:

- -where Level A, B, or C protection is required: + \$5.00/hr
- -other Hazardous Waste site: + \$1.00/hr

Traffic Control Coordinator: When either of the work classifications found below are working as a Traffic Control Coordinator they are to receive \$.75 above their current rate of pay.

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
78.08	37.33	115.41	119.68	123.81

CLASSIFICATIONS:

Walking Boss & Superintendent

Effective Dates:

04/17/2024		03/01/2025	03/01/2026	
Rate	Fringe	Total	Total	Total
77.63	37.33	114.96	119.23	123.36

CLASSIFICATIONS:

Heading Foreman, Shaft Foreman, Rod Foreman, Electrical Foreman, Rigging Foreman

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE

HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS Rates Expiration Date :

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
76.88	37.33	114.21	118.48	122.61

CLASSIFICATIONS:

Iron Foreman, Caulking Foreman, Form Foreman, Cement Finishing Foreman, Concrete Foreman, Track Foreman, Clean-up Foreman, Grout Foreman

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
80.63	37.33	117.96	122.23	126.36

CLASSIFICATIONS:

Blaster

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
76.05	37.33	113.38	117.66	121.78

CLASSIFICATIONS:

Top Labor Foreman

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
75.53	37.33	112.86	117.13	121.26

CLASSIFICATIONS:

Skilled Men (including Caulker, Powder Carrier, all other skilled men)

Skilled Men (including Miner, Drill Runner, Iron Man, Conveyor Man, Maintenance Man, Safety Miner, Rigger, Block Layer, Cement Finisher, Rod Man)

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
75.30	37.33	112.63	116.91	121.03

CLASSIFICATIONS:

Semi-Skilled Men (including Bell or Signal Man top or bottom, Form Worker & Mover, Concrete Worker, Shaft Man, Tunnel Laborer, Caulker's Helper, all other semi-skilled)

Semi-Skilled Men (including Miner's Helper, Chuck Tender, Track Man, Nipper, Brake Man, Derail Man, Cable Man, Hose Man, Gravel Man, Form Man)

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT PREVAILING WAGE RATE DETERMINATION

ENTIRE STATE PREVAILING WAGE RATE DETERMINATION

HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS Rates Expiration Date :

Effective Dates:

04/17/2024			03/01/2025	03/01/2026
Rate	Fringe	Total	Total	Total
74.70	37.33	112.03	116.31	120.43

CLASSIFICATIONS:

All others (including Powder Watchman, Change House Attendant, Top Laborer, Job Steward)

TECHNICAL SPECIFICATIONS

CONDITIONS SPECIFIC TO THIS PROJECT

Trenton Avenue Bridge (El-18) Rehabilitation, in the City of Elizabeth. The work includes the in-kind replacement of the steel superstructure including bearings, reinforced concrete deck, reinforced concrete bridge sidewalks and reinforced concrete parapets, using Accelerated Bridge Construction (ABC) techniques, specifically. Approach roadway work consists of HMA pavement to transition to the new deck; replacement of beam guide rail including end treatments and parapet connections; and roadway striping/markings. The top of the reinforced concrete abutments and piers must be modified to accept the new superstructure. Reinforced concrete spalls in the base of the piers must be repaired. An allowance of \$50,000 for substructure repairs that are unforeseen is included in the contract. Time and material charges will be deducted from this allowance to repair the reinforced concrete substructure that is unforeseen at the direction of the County.

Trenton Avenue must be closed to vehicular traffic at the worksite area and a vehicle detour plan implemented. The road must also be closed to pedestrian traffic for the duration of construction.

There are overhead electric and communication wires on the east side of Trenton Avenue that are active and shall remain in service during construction; the poles they reside on are located in the 1978 wing-wall fill and the contractor must take care not to disturb them during construction. Additionally, SJI Industries (Elizabethtown Gas) owns an active 12-inch high pressure steel gas main inside a 24-inch steel casing in the far east bay, which must remain in service and be relocated during bridge rehabilitation, requiring utility coordination. There is an abandoned 12-inch gas main inside a 24-inch steel casing in the bay adjacent to the active main, which must be removed from the bridge during construction by the contractor and will be paid under the Clearing Site item. The abandoned main must be removed to the project limits and capped in accordance with the gas utility requirements. Additionally, there are two PSE&G-owned conduits located in the far west bay. One is an internal fiber optic communication line, and the larger is a 250-psi oil-filled duct housing a 138,000 kVA electric transmission line. The contractor must coordinate with PSE&G to excavate around their facilities immediately after NTP, then PSE&G crews will freeze, cut, and cap the lines temporarily. The contractor must then demolish the existing bridge superstructure and portions of substructures, reconstruct the proposed substructure caps and erect the prefabricated precast superstructure units, and coordinate with PSE&G and SJI Industries (Elizabethtown Gas) for the relocation of their respective facilities onto the new bridge structure. Once the existing gas main is fully abandoned, then the contractor must demolish and reconstruct the remaining sections. The contractor must use all means and methods necessary to perform the construction as described, as well as coordinate and work with the utility companies to avoid further disruption to their facilities, leaving them otherwise uninterrupted during construction operations. Keep the RE and County informed of any concerns or changes to the sequencing and/or timeline of construction.

A utility meeting will be scheduled by the County to include all utilities and the contractor upon award of the contract. This meeting will allow the contractor to coordinate the utility work and the contract work in the initial stages of the project to avoid any delays.

The contractor must coordinate their work with the existing utilities that will remain in their present location. It is the sole responsibility of the Contractor to investigate and use due care when operating in the vicinity of any utility. No additional compensation will be made for utility coordination and any other work involving the existing utilities.

Prior to the start of work, the Contractor shall review the limits of all work with the Engineer or duly appointed representative.

The time of completion for this project has been set at <u>One Hundred Eighty (180) calendar days</u> from the Notice to Proceed.

It is noted punch-list items will invariably arise. To minimize disruption to its citizens, the County shall require all punch-list items brought to the Contractor's attention to be rectified within seven (7) calendar days from receipt of said items. If said punch-list items are not resolved to the satisfaction of the Engineer within the specified time, Liquidated Damages as specified in Section 43 of the General Specifications ('G' sheets of this specification) shall be pursued, commencing on the eighth calendar day.

The County retains the right to increase or decrease any and all quantities up to twenty-five percent (25%) of those estimated, at the unit prices bid.

Certified payroll records shall be produced and submitted on a bi-weekly basis to the County for all personnel involved with this project. The County shall withhold any and all payments until the certified payroll records are received.

SPECIAL PROVISIONS

AUTHORIZATION OF CONTRACT

The Contract is authorized by the provisions of Title 27 of the Revised Statutes of New Jersey and supplements thereto, and Title 23 of the United States Code - Highways.

The Contract is authorized by the provisions of Title 27 of the Revised Statutes of New Jersey and supplements thereto.

SPECIFICATIONS TO BE USED

The electronic version of the 2019 Standard Specifications for Road and Bridge Construction, effective September 1, 2019 as referenced in Baseline Document Change announcement BDC19S-01 of the New Jersey Department of Transportation, including Baseline Document Changes (BDC) through and including Baseline Document Change BDC23S-14 (December 22, 2023) and as amended herein, shall govern the construction of this project.

These Special Provisions consist of the following:

Pages T2 to T63 inclusive

WAGE RATES

State wage rates may be obtained from the New Jersey Department of Labor & Workforce Development (Telephone: 609-292-2259) or by accessing the Department of Labor & Workforce Development's website at https://www.nj.gov/labor/wagehour/wagerate/prevailing_wage_determinations.html. The State wage rates in effect at the time of award are part of this Contract, pursuant to Chapter 150, Laws of 1963 (N.J.S.A. 34:11-56.25 et seq.)

In the event it is found that any employee of the contractor or any subcontractor covered by the contract, has been paid a rate of wages less than the minimum wage required to be paid by the contract, the contracting agency 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 contracting agency for any excess costs occasioned thereby.

GENERAL

All awards shall be made subject to the approval of the New Jersey Department of Transportation. No construction shall start before approval of said award by the New Jersey Department of Transportation. Prior to the start of construction, the contractor must submit a Material Questionnaire (SA-11) listing all sources of materials. Any materials used on the project from a non-approved New Jersey Department of Transportation source will be considered non-participating. The contractor is also notified that the District Office, Division of Local Aid and Economic Development must be notified of the construction commencement date at least three (3) calendar days prior to the start of construction.

Award of contract and subletting will not be permitted to, materials will not be permitted from, and use of equipment will not be permitted that is owned and/or operated by, firms and individuals included in the

report of suspensions, <u>debarments</u> and disqualifications of firms and individuals as maintained by the Department of the Treasury, Division of Purchase & Property, Contract Compliance & Administration, Trenton NJ 08625 (609-292-5400).

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

Whenever any section, subsection, subpart or subheading is amended by such terms as changed to, deleted or added it is construed to mean that it amends that section, subsection, subpart or subheading of the 2019 Standard Specifications unless otherwise noted.

Whenever reference to page number is made, it is construed to refer to the 2019 Standard Specifications unless otherwise noted.

Henceforth in this supplementary specification whenever reference to the State, Department, ME, RE or Inspector is made, it is construed to mean the particular municipality or county executing this contract.

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

The following information is located at the end of these Special Provisions (Appendix 1):

- 1. Small Business Enterprise Utilization on Wholly State Funded Projects. (State Funded Project Attachment 1)
- 2. State of New Jersey <u>Equal Employment Opportunity Special Provisions for Wholly State</u> Funded Projects. (State Funded Project Attachment 2)
- 3. Requirements for Affirmative Action to Ensure Equal Employment Opportunity on Wholly State Funded Projects. (State Funded Project Attachment 3)
- 4. Investigating, Reporting and Resolving Employment Discrimination and Sexual Harassment Complaints on Wholly State Funded Projects. (State Funded Project Attachment 4)
- 5. Payroll Requirements for Wholly State Funded Projects. (State Funded Project Attachment 5)
- 6. <u>Americans with Disabilities Act</u> Requirements for Wholly State Funded Contracts. (State Funded Project Attachment 6)

Materials or assemblies as specified will be accepted on the basis of certificates of compliance stating that such materials or assemblies fully comply with the requirements of the contract.

Materials or assemblies used on the basis of certificates of compliance may be sampled and tested at any time and if found not to be in conformity with the contract requirements, will be subject to rejection whether in place or not. The Contractor shall require the manufacturer or supplier to furnish three copies of certificates of compliance with each delivery of materials, components and manufactured items that are acceptable by certification. One copy shall be furnished to the Engineer, one copy shall be furnished to the District Office, Bureau of Local Government Services and the Contractor shall retain one copy.

Certificates of compliance shall contain the following information:

- 1. Project and location to which the material is consigned.
- 2. Name of the Contractor to which the material is supplied.
- 3. Kind of material supplied.
- 4. Quantity of material represented by the certificate.
- 5. Means of identifying the consignment, such as label marking, seal number, etc.

- 6. Date and method of shipment.
- 7. Statement that the material has been tested and found in conformity with the pertinent contract requirements stated in the certificate.
- 8. Signature of a person having legal authority to bind the supplier.
- 9. Signature attested to by a Notary Public or other properly authorized person.

Payments relative to materials specified, shall be accepted on the basis of certificates of compliance shall not be made until the Engineer has in his possession an acceptable certificate of compliance.

FOREIGN MATERIALS

The attention of the Contractor is directed to all existing federal and state statutes and regulations that prohibit on any public work the use, by the Contractor or subcontractor, of materials produced or manufactured outside the United States of America. Exceptions to this prohibition, upon the findings of the Engineer, are allowed only where its enforcement would be inconsistent with the public interest or where the material is not produced or manufactured in the United States in sufficient quantities and of a sufficient quality.

If the Engineer finds in the performance of the contract there has been a failure to comply with the provisions relative to foreign materials, he shall make public his findings, and no other contract for the construction of any public work by this contracting agent shall be awarded to such Contractor, or to any partnership, association, or corporation with which such Contractor is associated or affiliated, within a period of three years after such finding is made public.

Where the use of foreign material is allowed, such material shall be furnished in accordance with the following requirements:

- 1. Materials manufactured or produced outside the United States shall be delivered to a location, approved by the Engineer, where they shall be retained until examination can be completed.
- 2. The Contractor shall arrange, at his expense, any testing which the Engineer feel necessary to ascertain the acceptability of the material.
- 3. A certificate of compliance shall accompany each lot of foreign material. In addition, certified mill tests reports shall be attached to the certificate of compliance for those materials for which mill test reports are required and shall clearly identify the lot to which they apply. Certificates of compliance shall contain the following information:
 - A. Project to which the material is consigned.
 - B. Name of the Contractor to which the material is supplied.
 - C. Kind of material supplied.
 - D. Quantity of material represented by the certificate.
 - E. Means of identifying the consignment, such as label marking, seal number, etc.
 - F. Date and method of shipment.
 - G. Statement that the material has been tested and found in conformity with the pertinent contract requirements stated in the certificate.
 - H. Signature of a person having legal authority to bind the supplier.
 - I. Signature attested to by a notary public or other properly authorized person.

The following Sections of the Standard Specifications are deleted:

SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS SECTION 103 - AWARD AND EXECUTION OF CONTRACT

The above Sections of the Standard Specifications are changed to the requirements of the County of Union in General Specifications attached hereto.

The below Sections of the Standard Specifications have been changed to the requirements of the County of Union as stipulated herein, in the event of conflicts between the below sections and those of Union County, Union County stipulations shall govern.

SECTION 104 - SCOPE OF WORK SECTION 109 - MEASUREMENT AND PAYMENT

DIVISION 100 - GENERAL PROVISIONS

SECTION 101 - GENERAL INFORMATION

101.01 INTRODUCTION

THE FOLLOWING IS ADDED:

Pursuant to N.J.S.A. 27:1B-21.6, the Department intends to enter into a contract for the advancement of the Project. However, sufficient funds for the Project may not have been appropriated, and only amounts appropriated by law may be expended. Payment under the Contract is restricted to the amounts appropriated for a fiscal year (FY).

101.03 TERMS

THE FOLLOWING TERMS ARE CHANGED.

Completion

(3) IS CHANGED TO:

3. the Contractor has satisfactorily executed and delivered to the RE all documents, required forms, certifications, and proofs of compliance required by the Contract Documents, it being understood that the satisfactory execution and delivery of documents, certificates, and proofs of compliance is a requirement of the Contract.

Department: Shall be defined as the County of Union.

Resident Engineer (RE) shall be defined as a representative of the County of Union or Engineer.

Pavement Structure. The combination of pavement, base courses, and when specified, a subbase course, placed on a subgrade to support the traffic load and distribute it to the roadbed (see Figure 101-1). These various courses are defined as follows:

- 1. Pavement. One or more layers of specified material of designed thickness at the top of the pavement structure.
- **2. Base course.** One or more layers of specified material of designed thickness placed on the subgrade or subbase.
- 3. Subbase. One or more layers of specified material of designed thickness placed on the subgrade.

THE FOLLOWING IS DELETED:

Federal Aid Project. Any agreement or modification thereof between NJDOT and any applicant and a person for construction work which is paid for in whole or in part with funds obtained from the Federal government or borrowed on the credit of the Federal government pursuant to any program involving a grant, contract, loan, insurance or guarantee under which the NJDOT itself participates in the construction work

Federal Aid Project Attachments. Attachments to the Contract Special Provision document, used for Federal Aid Projects.

ADD THE FOLLOWING TERM:

Wholly State Funded Project: Any agreement, contract or modification thereof between local public agencies and a person for construction work which is paid for in whole or in part with funds obtained from the State government or borrowed on the credit of the State government pursuant to any program involving a grant agreement, contract, loan, insurance or guarantee. This term excludes any agreement, contract or modification for construction work which is paid for in whole or in part with funds obtained from the Federal government.

REVISE THE FOLLOWING TERM:

actual cost: The computed cost using calculations of direct labor, labor fringe benefits, indirect labor costs, insurance, materials, extraordinary expenses, equipment, profit, overhead, and subcontractors.

SECTION 104 - SCOPE OF WORK

104.03.03 Types of Changes

- 3. Changes in the Character of Work.
 - a. Differing Site Condition.

THE SECOND PARAGRAPH IS CHANGED TO:

The Department will make payment for increased costs resulting from a Type 1 or Type 2 Differing Site Condition as a change in the character of work; however, the Department will not consider making payment for a differing site condition unless the resulting change in cost exceeds \$7,500. Except, if the Contractor incurs cost as the result of multiple differing site conditions, with the cost of each separate differing site condition having a value of at least \$1,500 but not more than \$7,500, the Department will consider making payment for such costs if the aggregate cost of the multiple differing site conditions exceeds \$7,500. If the change in cost exceeds these amounts, the Department will base the modification on the total cost of the change, and the Department will not deduct the threshold amount of \$7,500 from the cost of the change.

104.03.04 Contractual Notice

THE SECOND PARAGRAPH IS CHANGED TO:

Immediately provide written notice to the RE of a circumstance that is believed to be a change to the Contract, include the following in the initial written notice:

- 1. A statement that this is a notice of a change.
- 2. The date when the circumstances believed to be a change was discovered.
- 3. A detailed and specific statement describing the nature and circumstances of the change.
- 4. If the change will or could affect costs to the Department.
- 5. If the change will or could affect Contract Time as specified in 108.11.01.C.

In addition to the hard copy of the notice, email the notice to the RE. It is not necessary to attach listed documents to the email.

104.03.08 Force Account

- 7. Equipment.
 - a. Contractor-Owned Equipment.

PART 1 IS CHANGED TO:

1 The Department will calculate the "rental" hourly rates by dividing the monthly rate by 176. The Department will not use weekly, daily, or hourly rates. The Department will apply rental hourly rates for every hour the equipment is in active use, except that for any 30-day period, the Department will limit the total amount paid for each piece of equipment to a maximum of the monthly rate.

THE FOLLOWING PART IS ADDED:

6. The Department will make payment for costs for transporting equipment to and from the work site, if said costs are solely required as a direct result of the Force Account activity.

THE SECOND PARAGRAPH IS CHANGED TO:

The payment established is full payment for all equipment costs, including the cost of fuel, repairs, maintenance, depreciation, storage and incidentals.

10. Subcontractors.

THE SECOND PARAGRAPH IS CHANGED TO:

The Department will make payment for markup on subcontracted work at the rate of five percent (5%) applied on the total amount of all costs for subcontracted force account work up to \$500,000 and two percent (2%) applied on the total amount of all costs for subcontracted force account work over \$500,000.

104.03.09 Delay Damages

- 1. Non-Productive Activity.
 - e. Equipment.

THE FIRST SENTENCE IS CHANGED TO:

If as the result of the delay, equipment cannot be used for any active work, and is directed by the RE to remain on the work site during the delay, the Department will make payment as specified in 104.03.08.7.a.5.

SECTION 105 - CONTROL OF WORK

105.02 RESPONSIBILITIES OF THE CONTRACTOR

105.02.05 Civil Rights Requirements

REVISE SECTION 105.02.05.1 TO THE FOLLOWING:

1. Federal Aid projects. This section intentionally left blank.

REVISE THE FIRST LINE OF SECTION 105.02.05.2 TO THE FOLLOWING:

2. Wholly State Funded Contracts. When applicable for wholly State Funded contracts under the jurisdiction of New Jersey Statutes N.J.S.A. 10:5-31 et seq., State EEO regulations and goals apply as specified in State Funded Project Attachments 1 to 6 of the Special Provisions.

105.03 CONFORMITY WITH THE CONTRACT

REVISE THE FIRST SENTENCE OF THE FIRST PARAGRAPH TO: In the event the Contractor discovers a discrepancy, error, omission, or ambiguity in the Contract, or if the Contractor has any doubt or question as to the intent or meaning of the Contract, the Contractor must immediately notify the RE.

REVISE THE FOURTH SENTENCE OF THE SIXTH PARAGRAPH TO: If the Department loses funding for the nonconforming work, on the basis of permitting nonconforming work to remain, the Department will not pay for the work permitted to remain in place.

105.05 WORKING DRAWINGS

THE SECOND PARAGRAPH IS CHANGED TO:

Ensure that working drawing submissions also conform to the Department design manuals and other Department standards for the proposed work. After Award, the Department will provide additional formatting information, the number of copies required, and the address of the receiving designated design unit.

THE THIRD PARAGRAPH IS CHANGED TO:

Submit working drawings on 22×36 -inch sheets. The Department may approve the use of $8-1/2 \times 11$ -inch sheet on a case-by-case basis. Submit design calculations required for the working drawings on $8-1/2 \times 11$ -inch paper. Submit seven (7) copies of the working drawings to the designated design unit for review with a copy of the transmittal letter to the RE. For railroad-carrying structures, submit four (4) additional copies to the designated design unit. Submit an additional copy for each outside testing agency or authority involved in the Project.

THE NINTH PARAGRAPH IS CHANGED TO:

Submit working drawings for certification or approval as specified in <u>Table 105.05-1</u>. This list is not all-inclusive. Ensure that the working drawings submitted for approval are signed and sealed by a Professional Engineer. The working drawings submitted for certification are not required to be signed and sealed by a Professional Engineer unless they alter the original Contract.

TABLE 105.05-1 IS CHANGED TO:

Table 105.05 1 - Working Drawing Submission Category		
Certified	Approved	
Breakaway I-Beam GA Sign Support Posts	Catalog Cuts (related to landscape Items)	
Bridge Drainage	Change in Structural Steel Details	
Bridge Railing and Fencing Anchorage System	Change of Pre-stressed Concrete Strand Patterns	
Catalog Cuts	Demolition Plans	
Composite Piles	Erection Plans	
DMS Sign Support Structure	High Load Multi-Rotational (HLMR) Bearings	
DMS Standard Ground Mounted	Isolation Bearings	
Elastomeric Bearings Pads	ITS System Drawings, including Block Diagrams	
Electrical Items Not Pre-Qualified	Machinery and Electrical Items for Movable Bridges	
Expansion Deck Joint Assembly Systems	Mechanically Stabilized Earth (MSE) Walls	
Modular Expansion Joint Assembly	Other work shown on the Plans as conceptual	
Pre-cast Pre-stressed Concrete Beams and Piles Fabrication	Pre-cast Concrete Arch Structures	
Reinforced Elastomeric Bearings	Pre-cast Concrete Box Culverts	
Sign Legends	Prefabricated Modular Walls	
Sign Support Structures	Stay-In-Place Forms	
Structural Steel Fabrication	Temporary Sheeting and Cofferdams	
	Temporary Shielding	
	Temporary Structures	
	Value Engineering Plans	

THE FIRST PARAGRAPH UNDER PART 1 OF TENTH PARAGRAPH IS CHANGED TO:

1. Certified Working Drawings. For working drawings requiring certification, include 2 blank blocks directly above the title block. Designate one block for design unit certification, and designate the other block for the Contractor's approval stamp and a signed statement stating that the Contract has not been altered. The Department will require 30 days for review and certification or rejection and return of certified working drawings.

1. Certified Working Drawings.

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The Department will require 15 days for review and certification or rejection and return of certified working drawings.

2. Approved Working Drawings.

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The Department will require 15 days for review and approval or rejection and return of working drawings.

105.07 Cooperation with Utilities.

THE FOLLOWING HAS BEEN ADDED

A. General. It is understood and agreed the Contractor has considered in its Proposal all of the permanent and temporary utility facilities in their present, new, or relocated positions to the extent required by the Contract Documents and as revealed by its own investigations; is aware utility service demands, adverse field conditions and emergencies may affect the Utility's ability to comply with the proposed schedules for utility work; is cognizant of the limited ability of the County to control the actions of the Utility(s), and has made allowances in its Proposal that it is not entitled to any Additional Compensation by reasons of delays, inconvenience or damage sustained by the Contractor due to any interference from utility facilities or the operation of moving or installing them. Similarly, the Contractor is deemed to understand only limited extensions of time may be granted as specified in Subsection 108.11.

The Contractor shall notify, in writing, the Utility(s) involved of the nature and scope of the Project, and of its operations that may affect their facilities or property. The notice shall include an inquiry for all information required to determine the location of the existing utility facilities and the Contractor shall also provide the portion of the approved Preliminary Schedule relative to that respective Utility. Two copies of such notices and the Utility's responses shall be sent to the Resident Engineer prior to the start of Construction Operations. The Contractor shall also attend a Utility preconstruction conference prior to the start of Construction Operations.

The Contractor shall provide each Utility the portion of the approved Baseline CPM Schedule related to the respective Utility and any approved updates or revisions that affect that Utility.

Information on the Utility(s), including the work to be performed by the Utility(s) on the Project, will be provided in the Special Provisions.

The corporations, companies, agencies, or municipalities owning or controlling the utilities, and the name, title, address, and telephone number of their local representative are attached herein.

Bidders are advised to verify the above information as its accuracy and completeness is not guaranteed by the County.

A pre-construction meeting will be held to enable full coordination of parties involved in this project. The County will arrange this meeting shortly after award of contract and prior to the start of any work and send an agenda and written invitations to municipal officials, utility owners and any other interested parties.

A minimum of five (5) business days prior to the pre-construction meeting, the Contractor will provide the County, in writing, with the following:

- 1. Proposed work schedule;
- 2. List of Sub-Contractors;
- 3. List of material suppliers;
- 4. Certificates of Compliance for all materials and or assemblies, including: Raised Pavement Markings; Signs; Public Sidewalk Ramp Delineation, etc.;
- 5. Breakdown of any lump-sum items;
- 6. Shop drawings of all construction items.

THE CONTRACTOR WILL NOT COMMENCE WORK UNTIL THE ABOVE MATERIAL IS RECEIVED & APPROVED.

105.07.02 Work Performed by Utilities

THE FOLLOWING IS ADDED:

All overhead utilities shall remain in place and construction shall be completed with no overhead utility relocation. The overhead utilities shall be deenergized but remain in their current place. The use of small equipment will be required for installation of the steel beams.

Underground utilities shall also remain in place and construction shall be completed with no underground utility relocation. The following underground utility work is proposed for each utility with contacts and emails provided:

• Verizon Communications – there are two (2) conduits in the west bay that shall remain in place and not disturbed during the duration of the construction. The contractor shall use extreme care when working near this utility.

Thomas Grabowski – thomas grabowski @verizon.com

• Elizabeth Gas – there is a 12-inch high pressure steel gas main inside a 24-inch steel casings in the far east bay that shall remain in service and not be disturbed during the bridge rehabilitation. There is an abandoned 12-inch gas main inside a 24-inch steel casing in the bay adjacent to the active main. The abandoned main shall be removed from the bridge during construction by the contractor and paid under the pay item Clearing Site. The abandoned main shall be removed to the project limits and capped in accordance with the gas utility requirements.

Gregory Balint – gbalint@sjindustries.com

Separate payment will not be made for utility coordination of any kind and all costs shall be included in the various items of the bid.

THE FOLLOWING SUBSECTION IS ADDED:

105.11 CONSTRUCTION LAYOUT

Perform a site investigation within the Project Limits to locate existing ROW markers, property markers, survey control markers, and monuments. Before beginning construction operations, protect ROW markers, property markers, survey control markers, and monuments from disturbance and destruction. Notify the RE of the location of property markers and monuments that are in danger of being removed or disturbed and tie to fixed points or locate from established contract control. Do not remove or disturb existing ROW markers, property markers, survey control markers, and monuments until obtaining RE approval. Record and provide field location notes to the RE upon request.

Before removing a monument that is not owned by the Department, notify the agency to which the monument belongs of the need to remove the monument. Provide the RE with copies of correspondence with the agency, as well as the agency's written requirements or guidelines for setting monuments.

If a monument or marker is disturbed or removed without RE approval, the Contractor is responsible for reimbursing the Department for the cost to replace the monument.

Perform layout for the construction of the Contract using the control points and data shown on the Plans. Perform layout under the direct supervision of a licensed land surveyor. Preserve control points throughout the duration of the Project. Reset control points that are damaged, lost, displaced, or removed.

Before beginning construction operations, verify the vertical and horizontal controls provided in the Plans using, at a minimum, third-order, Class I accuracy procedural standards and equipment. Notify the RE in writing of discrepancies or errors and obtain resolution before proceeding with the work. Upon request, provide the RE with survey notes and calculations related to the field control verification.

Before beginning construction operations, establish lines for ROW, easement, and other restrictions, such as boundaries for environmentally sensitive areas to define the limits of construction and temporary operations. Establish limits of tree protection and other vegetation to be preserved. Do not encroach on private property, except as allowed by easements. Document existing site conditions, including vegetation, in areas to be used for excavation, temporary construction, storage, parking, movement of equipment, field office, etc. which will have to be later restored to pre-existing conditions. Provide documentation, including photographs, to the RE.

Provide the Utilities with the layout needed to install relocated utility facilities and coordinate the Work. Ensure that relocated facilities do not conflict with proposed construction, including High Voltage Proximity Act conflicts.

Establish the exact location of the Work from the control points. Reference the Work to baselines that are established from the control points. Maintain baselines until Completion.

Provide and maintain offset baseline stakes for roadways, ramps, jughandles, and turnarounds outside the limits of grading and construction. Set offset stakes at a maximum interval spacing of 50 feet. Where baselines have a radius of less than 475 feet, provide offset stakes at a maximum interval spacing of 25 feet. Identify and mark each stake to show the offset distance from the baseline and provide grade sheets to the RE showing the cut or fill to the finished profile lines with reference to the offset stakes. Provide grade sheets for construction of subbase that include calculations to establish the typical cross section from the profile grade stake. Provide adequate and accurate offset lines during construction that requires occupation of the baseline points by construction operations. Provide the RE with assistance as requested for verification of lines, grades, boundaries, dimensions, and elevations.

Construct the Work to the dimensions and tolerances noted within the Contract. Except where otherwise noted, construct subbase, base courses, pavements, and structures to within 1/4 inch of the elevations, stations and offsets noted in the Contract. If work does not conform to the tolerances allowed, the Department may consider the work to not be in conformance with the work as specified in 105.03.

Upon request, provide the RE with survey notes and calculations related to the alignment and horizontal and vertical control, and field notes to document the ROW, including easements and monument locations. Maintain survey notes in a bound field notebook in a professional manner.

The Department will not make payment for survey, stakeout, and layout. The cost is to be distributed across the various items of work and to be included in extra work as may be added to the Contract.

If the Department discovers survey errors, including errors that should have been detected during verification of controls provided in the plans, the Department will deduct the costs of checking and correcting these errors from any money due to the Contractor.

SECTION 106 - CONTROL OF MATERIAL

THE SECTION HEADING IS CHANGED TO:

SECTION 106 - CONTROL OF MATERIAL AND EQUIPMENT

106.01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS

THE FIRST PARAGRAPH IS CHANGED TO:

Ensure that materials furnished for the Project are new, unless otherwise specified in the Contract. Comply with 2 CFR 200.323 – Procurement of recovered materials, ensuring that materials furnished for the Project contain, "the highest percentage of recovered materials practicable," where the purchase price of the covered item listed exceeds \$10,000. Use materials that conform to the requirements of the Contract. When required by the Contract, use only products and suppliers listed on the QPL. Use sources of materials that have been approved by the Department on a Materials Questionnaire as specified in 106.04.

106.03 FOREIGN MATERIALS

THE SUBSECTION HEADING IS CHANGED TO:

106.03 FOREIGN MATERIALS AND EQUIPMENT

REMOVE SECTION 106.03.2 Federal Aid Projects

THE FOLLOWING IS ADDED TO THE END OF THE SUBSECTION:

Comply with 2 CFR 200.216 Prohibition on Certain Telecommunication and Video Surveillance Services or Equipment.

Do not provide Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities). Do not provide video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hanghzou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities). Do not provide Telecommunications or video surveillance services provided by such entities or using such equipment.

Do not provide Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Do not provide any equipment assembled by others that has an integral component that was manufactured and supplied by the aforementioned companies.

THE FOLLOWING SUBSECTION IS CHANGED AS FOLLOWS:

106.07.02 Certification for iron and steel

A. Pre-cast Concrete, Steel and Concrete Pipe Certification of Compliance. For pre-cast concrete and concrete pipe items, a Buy America Compliance Plan is required to confirm that the material meets the Buy America requirements as specified in 106.03. The ME will periodically audit compliance with the program at the pre-cast plant. If the pre-cast concrete item is not inspected by ME, submit a

Certification of Compliance for the pre-cast concrete item as required in 106.07.01. When a Certification of Compliance is submitted, ensure the Certification of Compliance contains a statement that the reinforcing steel used in the pre-cast concrete item complies with the Buy-America requirements as specified in 106.03

- **B.** Incidental Steel or Iron Components and Manufactured Products. Incidental steel and iron components such as lifting hooks, tie wire, chairs, nuts, bolts and screws are not required to be certified for compliance with Buy-America requirements. For manufactured products that are not made predominantly of steel, the steel components are not required to be certified for compliance with Buy-America requirements.
- C. Step Certification of Compliance. For products that contain steel or iron components and are not covered in 106.07.02.A or 106.07.02.B, step Certification of Compliance is required to confirm the item meets the Buy-America requirements as specified in 106.03. A step certification is a process under which each handler (e.g., supplier, fabricator, manufacturer, processor, coating facility) of the iron and steel components certifies the steel and iron components were of domestic origin and their step in the process was domestically performed.

Every step in the process from melting to coating must be performed in the United States in order for the steel or iron component to be considered domestic and must be documented by step certification. If a domestic source for a steel or iron component cannot be found, submit a request for waiver to the Department. Do not purchase non-domestic steel or iron components without the express written consent of the Department.

Ensure three (3) copies of the Contractor's Certification of Compliance (Form DC-17) and the step Certifications of Compliance are provided for items containing steel or iron. Retain one (1) copy and submit two (2) copies to the RE. The Contractor may submit the DC-17 and the step certifications electronically in a scanned document.

Ensure step Certifications of Compliance contain the following information:

- 1. Name of the Company supplying the material.
- 2. Name and location of the Company the material was shipped to.
- 3. Material description.
- 4. Quantity of material represented by the Certification.
- 5. Means of identifying the consignment, such as label marking or seal number.
- 6. Date and method of shipment.
- 7. A statement that the material conforms to the Contract material requirements and to the Buy-America requirements in 106.03.
- 8. A statement that all steel or iron components in the material or assembly were "melted and manufactured in the US," unless there is non-domestic steel or iron in the material or assembly.
- 9. If there is non-domestic steel or iron in the assembly, describe in detail the non-domestic steel or iron material and the quantity. Attach a copy of the Department's approval for the use of non-domestic steel or iron components.
- 10. Signature of a person having legal authority to bind the supplier.
- 11. Typed or printed name of the person who signed the certification.

The Department will not make payment for work containing steel or iron materials until the RE has received the required DC-17 and step Certifications of Compliance and has inspected and accepted the material or assembly.

SECTION 107 - LEGAL RELATIONS

107.04 NEW JERSEY CONTRACTUAL LIABILITY ACT

THE FOURTH PARAGRAPH IS CHANGED TO:

For purposes of determining the date of "completion of the contract" pursuant to N.J.S.A. 59:13-5, "completion of the contract" occurs on the date that the Contractor provides written notice to the Department of Acceptance or conditional Acceptance of the Proposed Final Certificate or the 30th day after the Department issues the Proposed Final Certificate, whichever event occurs first.

107.09 INDEPENDENT CONTRACTOR

THE ENTIRE SUBSECTION IS CHANGED TO:

The relationship of the Contractor to the State is that of an independent contractor. Conduct business consistent with such status. Do not hold out or claim to be an officer or employee of the Department by reason hereof. Do not make a claim, demand, or application to or for the rights or privileges applicable to an officer or employee of the Department, including, but not limited to, Workers Compensation Insurance, unemployment insurance benefits, social security coverage, or retirement membership or credit.

107. 11 RISKS ASSUMED BY THE CONTRACTOR

THE ENTIRE SUBSECTION IS CHANGED TO:

Risks of Loss or Damage to the Permanent Construction. Until Acceptance, and within the limits of the Project's work, the Contractor shall bear the risk of all loss or damage to all permanent construction and temporary construction performed under this Contract and to materials, whether or not it has received payment for such construction or materials under Subsection 109.05, 109.06, or 109.07, except payment will be made to the Contractor for the repair or replacement of any permanent element of the construction which has not been accepted by the Department, if the element of the work damaged is completed to the stage of serving its intended function and is subsequently damaged by accident by public traffic. In order to receive payment, the Contractor must supply satisfactory evidence that such damage was caused by a public traffic accident that was not caused by vandalism or by the equipment of the Contractor or any of its subcontractors or suppliers. Satisfactory evidence shall generally be limited to: accident reports filed with the Division of Motor Vehicles, police agencies or insurance companies; statements by reliable, unbiased eyewitnesses; identification of the vehicle involved in the accident. Physical evidence that the damage was caused by a motor vehicle (such as tire marks or broken headlight glass) will not be sufficient unless it can be clearly shown that the damage was not caused by the Contractor's vehicles or by vandalism. The Contractor shall take every precaution, as allowed by the Contract against injury or damage to any part of the construction or to materials by the action of the elements, the traveling public, vandalism, or from any other cause, whether arising from the execution or the non-execution of the work. The Contractor shall promptly repair, replace, and make good any such damage or loss without cost to the Department. The Contractor shall not bear such risk of loss or damage, which arises from acts of war or floods. tidal waves, earthquakes, cyclones, tornadoes, hurricanes, or other cataclysmic natural phenomenon unless such loss or damage is covered by insurance.

107.12 THE CONTRACTUAL CLAIM RESOLUTION PROCESS

REPLACE THIS SECTION WITH: This section intentionally left blank.

107.13 LITIGATION OF CLAIMS BY THE CONTRACTOR

REPLACE THIS SECTION WITH: The Department will not participate in litigation between the RE and the Contractor.

107.14 PATENED DEVICES, AMTERIALS, AND PROCESSES

REMOVE THE SECOND PARAGRAPH OF THIS SECTION

THE FOLLOWING SUBSECTION IS ADDED:

107.17 COMMUNICATION WITH THE NEWS MEDIA

Do not communicate with the news media or issue a news release without obtaining prior written approval from the Department.

SECTION 108 - PROSECUTION AND COMPLETION

108.01 SUBCONTRACTING

1. Values and Quantities.

THE FOLLOWING IS ADDED TO FIRST PARAGRAPH

1. There are no Specialty Items in this Project.

REMOVE SENTENCE FOUR OF PARAGRAPH TWO OF THIS SECTION.

THE THIRD PARAGRAPH IS CHANGED TO:

If a partial quantity of work for a unit price Item is subcontracted, the Department will determine the value of the work subcontracted by multiplying the price of the Item by the quantity of units to be performed by the subcontractor.

THE FOURTH PARAGRAPH IS CHANGED TO:

If only a portion of work of an Item is subcontracted, the Department will determine the value of work subcontracted based on the value of the work subcontracted as indicated in the subcontract agreement and as shown in a breakdown of cost submitted by the Contractor.

108.02 COMMENCEMENT OF WORK

THE SUBPART 4 IN THE FIRST PARAGRAPH IS CHANGED TO:

3. Progress schedule as specified in 153.03

THE THIRD PARAGRAPH IS CHANGED TO:

Do not perform construction layout and FIELD OFFICE TYPE ___ SET UP until the Department has approved the insurance certificates and the safety program. Do not begin other construction operations until after the following actions:

- 1. A preconstruction conference with the Department has been held.
- 2. Approval of the progress schedule as specified in 153.03.02.
- 3. The field office has been established.
- 4. The ROW limits, limits of construction, environmentally restricted areas, and trees or other vegetation designated to be preserved have been laid out.

108.06 NIGHT OPERATIONS

THE FOLLOWING IS ADDED TO THE BEGINNING OF THE FIRST PARAGRAPH:

The Contractor shall be responsible for furnishing, maintaining, removal and or disposal of all equipment, material, and manpower necessary for compliance with this sub-section.

2. Visibility Requirements for Workers and Equipment.

THE FIRST PARAGRAPH IS CHANGED TO:

Ensure workers wear a 360° high-visibility retroreflective safety garment meeting ANSI/ISEA Class 3, Level 2 standards.

108.07 TRAFFIC CONTROL

THE FOLLOWING IS ADDED:

Working hours for this project are as follows:

Weekdays (Monday through Friday)

Day-Time 8:00 am to 4:00 pm

Weekends/Holidays

Not Allowed without Approval from Union County

108.07.01 Interference

THE FOLLOWING IS ADDED TO THIS SUB-SECTION:

It shall be the Contractor's responsibility to maintain driveway access for all adjacent property owners.

In the event industrial and commercial driveway access must be temporarily denied, the Contractor shall provide written notice to the Engineer and property owner at least five (5) working days in advance of the driveway closing.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL WORK ZONES FOR THE CONSTRUCTION. ALL TRAFFIC CONTROL DEVICES AND MANPOWER NECESSARY TO MAINTAIN SUCH WORK ZONES IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL BE SUPPLIED, IMPLEMENTED AND REMOVED AT THE APPROPRIATE TIME BY THE CONTRACTOR.

108.09 Maintenance within the Project Limits

The following is added to this sub-section:

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 the County. The Contractor shall not be responsible for mowing unless an item for mowing is scheduled in the proposal form. However, the Contractor shall be responsible for the removal of all leaves, debris, and other material on the road, prior to reconstruction and resurfacing. The Contractor will also be responsible for street sweeping prior to resurfacing operations, and at the end of each day following milling operations.

108.11.01 Extensions to Contract Time

- B. Types of Delays.
 - 1. Non-Excusable Delays.

THE FOLLOWING IS ADDED:

For work performed by Utilities, delays up to 30 percent of the estimated duration specified in 105.07.02 are considered non-excusable. The duration includes both the advance notice and the completion of the work by the Utility.

2. Excusable, Non-Compensable Delays.

b. Utilities.

THE LAST PARAGRAPH IS CHANGED TO:

If approved excusable, non-compensable delays exceed a total of 90 days, the time in excess of 90 days will become excusable and compensable as specified in 108.11.01.B.3.

108.19 COMPLETION AND ACCEPTANCE

THE FOLLOWING IS ADDED:

No Incentive Payment for Early Completion is specified for this project.

SECTION 109 - MEASUREMENT AND PAYMENT

109.01 MEASUREMENT OF QUANTITIES

THE SECOND PARAGRAPH IS DELETED:

109.02 SCOPE OF PAYMENT

THE THIRD SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The Department will not make additional or separate payment for work or portion of work unless specifically provided for in the "Measurement and Payment" Subsection.

109.05 ESTIMATES

THE SECOND PARAGRAPH IS CHANGED TO:

The RE will provide a summary of the Estimate to the Contractor. Before the issuance of each payment, certify, on forms provided by the Department, that:

- Each subcontractor or supplier has been paid the amount due from the previous progress payment and shall be paid the amount due from the current progress payment and that full payment for any retainage withheld from a subcontractor has been or will be made within 30 days after the subcontractor's work has been satisfactorily completed; or
- There exists a valid basis under the terms of the subcontractor's or supplier's contract to withhold payment from the subcontractor or supplier, and therefore payment is withheld.

THE TENTH PARAGRAPH IS CHANGED TO:

The RE has the right to not process an Estimate when, in the judgment of the RE, the Work is not performed or proceeding as specified in the Contract or following the Department giving the Contractor and Surety notice of default as specified in 108.14.

DIVISION 150 - CONTRACT REQUIREMENTS

SECTION 151 - PERFORMANCE BOND AND PAYMENT BOND

151.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Payment will not be made for Performance Bond and Payment Bond. All costs thereof shall be included within the various bid pay items.

SECTION 152 - INSURANCE

152.03.01 Owner's and Contractor's Protective Liability Insurance

A. Policy Requirements.

THE FOURTH SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

Ensure policies are underwritten by companies with a current A.M. Best rating of A- with a Financial Size Category of VII or better.

152.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Payment will not be made for insurance of any kind. All costs thereof shall be included within the various bid pay items.

SECTION 153 - PROGRESS SCHEDULE

153.03.01 CPM Progress Schedule

REVISE THE SIXTH PARAGRPAH TO:

The progress schedule does not constitute notice and does not satisfy the notice requirements. Approval of the schedule by the RE does not modify the contract or constitute acceptance of the feasibility of the contractor's logic, activity durations, or assumptions used in creating the schedule. If the schedule reflects a completion date different than that specified in 108.10, this does not change the specified completion date. If the re approves a schedule that reflects a completion date earlier than that specified as the contract time, the department will not accept claims for additional contract time or compensation as the result of failure to complete the work by the earlier date shown on the CPM schedule. Float is the amount of time that an activity may be delayed from its early start without delaying completion. Float belongs to the project and is not for the exclusive use of the contractor or the department.

153.03.02 CPM Progress Schedule Updates

THE LAST PARAGRAPH IS CHANGED TO:

If the project falls behind schedule for non-excusable delays, so the schedule indicates the Work will not be completed by the Completion date, as specified in 108.10, take the necessary steps to improve progress. Under such circumstances, the RE may direct the Contractor to increase the number of shifts, begin overtime operations, work extra days, including weekends and holidays, and supplement its construction plant. Furthermore, the RE may require the Contractor to submit for approval a recovery schedule showing how the Contractor proposes to meet the directed acceleration.

2. Tabular Reports.

THE FIRST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The RE may require three (3) color paper copies of the longest path sort, total float sort, responsibility sort, area sort, and Gantt chart.

153.03.03 Bar Chart Progress Schedule and Updates

A. Schedule.

REVISE THE THIRD PARAGRPAH TO:

Approval of the schedule by the re does not modify the contract or constitute acceptance of the feasibility of the contractor's logic, activity durations, or assumptions used in creating the schedule. The progress schedule does not constitute notice and does not satisfy the notice requirements. Provide 3 color paper copies of a bar chart progress schedule or similar type that is acceptable to the re for approval as follows:

THE FOLLOWING IS ADDED:

If the project falls behind schedule for non-excusable delays, so the schedule indicates the Work will not be completed by the Completion date, as specified in 108.10, take the necessary steps to improve progress. Under such circumstances, the RE may direct the Contractor to increase the number of shifts, begin overtime operations, work extra days, including weekends and holidays, and supplement its construction plant. Furthermore, the RE may require the Contractor to submit for approval a recovery schedule showing how the Contractor proposes to meet the directed acceleration.

153.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Payment will not be made for Project Schedules of any kind including updates. All costs thereof shall be included within the various bid pay items.

THE THIRD PARAGRAPH IS CHANGED TO:

If the Contractor's CPM Progress Schedule update is not approved by the date of the progress meeting for the following update, the Department will assess liquidated damages to recover the Department's increased administrative costs.

SECTION 157 - CONSTRUCTION LAYOUT AND MONUMENTS

157.03.01 CONSTRUCTION LAYOUT

THE SEVENTH PARAGRAPH IS CHANGED TO:

Provide the Utilities with access to the site as necessary and coordinate the Work. Ensure utility facilities do not conflict with proposed construction, including High Voltage Proximity Act conflicts.

157.03.01 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Payment will not be made for Construction Layout. All costs thereof shall be included within the various bid pay items.

SECTION 158 - SOIL EROSION AND SEDIMENT CONTROL AND WATER QUALITY CONTROL

158.04 MEASUREMENT AND PAYMENT

THE PAY ITEM CONCRETE WASHOUT SYSTEM AND OIL ONLY EMERGENCY SPILL KITS ARE DELETED AND THE FOLLOWING IS ADDED:

Separate payment will not be made for Concrete Washout System and Oil Only Emergency Spill Kit, but the costs shall be included in the various items of the proposal.

SECTION 159 - TRAFFIC CONTROL

159.01 DESCRIPTION

THE FOLLOWING IS ADDED AFTER THE FIRST PARAGRAPH:

ALL WORKERS SHALL WEAR REFLECTORIZED GARMENTS, UTILIZING 360° VISIBILITY, AS SPECIFIED FOR TRAFFIC DIRECTORS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL WORK ZONES FOR THE CONSTRUCTION. ALL TRAFFIC CONTROL DEVICES WITHIN WORK ZONES SHALL BE ESTABLISHED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TRAFFIC CONTROL MEASURES SHALL BE SUPPLIED, IMPLEMENTED AND REMOVED AT THE APPROPRIATE TIME BY THE CONTRACTOR.

All traffic control devices shall comply with these Specifications and the <u>Standard Details for Traffic Control Devices</u> as developed by the New Jersey Department of Transportation.

All traffic control devices furnished by the Contractor shall be new, or in acceptable condition as defined by the American Traffic Safety Services Association (ATSSA), Quality Standards For Work Zone Traffic Control Devices - 3rd Edition. Traffic control devices damaged under this Contract as a result of carelessness or mishandling by the Contractor (i.e., running over cones or barrels with his equipment or splashing tar on traffic control devices, etc.) shall be replaced by the Contractor at no additional cost to the County. The Contractor shall replace damaged traffic control devices within one (1) calendar day. The County reserves the right to reject any traffic control device, which in their sole opinion does not satisfy the criteria of these Specifications, is damaged or otherwise incapable of providing the function for which it was intended. In this event, the Contractor shall replace the deficient traffic control devices and/or materials within one (1) calendar day. Upon completion of the Project, all traffic control devices and materials furnished by the Contractor shall be removed by the Contractor.

All signs furnished by the Contractor shall conform to the latest addition <u>Manual of Uniform Traffic</u> <u>Control Devices</u> and the <u>U.S.D.O.T. Manual of Standard Highway Signs</u>. All signs and traffic control devices shall be manufactured with, or incorporate 3M diamond grade material or approved equal. All signs shall be aluminum, with a thickness of 0.100 inches, and cut to Standard sizes.

Should the Contractor begin work prior to the work zone being properly established as described herein, the County shall assume no responsibility for tort liability issues arising from the Contractor's premature start. All liability and consequence arising from a premature start is solely the Contractor's.

In the event the manhole, inlet or other appurtenance is in the middle of a travel way and the placement of a traffic device would impede the flow of traffic, the manhole, inlet or other appurtenance will be ramped in accordance with Construction Details with fresh hot mix asphalt material (either cold or hot mix). The use of millings to perform this operation will not be allowed.

159.03.01 Traffic Control Coordinator

THE FIRST PARAGRAPH BEFORE THE LIST IS CHANGED TO:

Before starting Work, submit to the RE the name, training, work experience, and contact information of an employee assigned as the on-site Traffic Control Coordinator (TCC). The TCC must be certified as

having successfully completed the Rutgers CAIT Traffic Control Coordinator Program, or an equivalent course as approved by the NJDOT Office of Capital Project Safety. The TCC must also successfully complete an approved Traffic Coordinator refresher course every 2 years. The TCC is a full-time position and the employee designated as TCC must be available on a 24 hour a day, 7 days a week basis. The TCC shall have the responsibility for and authority to implement and maintain all traffic operations for the Project on behalf of the Contractor. Ensure that the TCC is present at the work site at all times while the Work is in progress. The TCC's responsibilities and duties shall include the following:

THE FOLLOWING IS ADDED:

The Contractor shall be responsible for project maintenance within the project limits until acceptance. This maintenance shall consist of continuous and effective work prosecuted day by day, with adequate equipment and forces to the end that the roadway is kept in satisfactory condition at all times. 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.

Prior to the start of construction operations, the Contractor shall assign a supervisory-level employee to be the Traffic Control Coordinator. The Engineer and affected municipalities shall be notified as to the name and telephone number of this individual on a 24-hour, 7-day a week basis. IF AND WHEN THE NUMBER IS CALLED, THE CONTRACTOR OR DULY APPOINTED AGENT MUST BE AVAILABLE TO ANSWER AND RESPOND TO THE EMERGENCY CALL. THE CONTRACTOR'S RESPONSE TIME TO EMERGENCIES THAT ARISE DURING THIS PROJECT SHALL BE WITHIN ONE (1) HOUR.

The Contractor shall be responsible for maintaining safe and adequate pedestrian access in, near or around the work site. Neither the Contractor's equipment nor debris and materials shall occupy any part of the sidewalk, path or traveled way not being constructed.

All equipment, materials, excavated material or debris shall be removed by the end of the workday. Material or debris left at the end of the day by the Contractor on, near or adjacent to the sidewalk or traveled way that is open to pedestrians and vehicles is subject to removal by the County forces. In this event, the costs associated with the removal will be deducted from monies owed the Contractor.

159.03.02 Traffic Control Devices

THE FIRST PARAGRAPGH IS CHANGED TO:

Ensure that FHWA category 1, 2, 3, and 4 traffic control devices (TCDs) conform to the requirements of the 2016 Edition of the Manual for Assessing Safety Hardware (MASH), except that TCDs manufactured on or before December 31, 2019 must have been purchased by the Contractor on or before December 31, 2019, and conform to the requirements of NCHRP 350, MASH 2009, or MASH 2016. Provide each device's applicable MASH 2016, MASH 2009, or NCHRP 350 test results and FHWA Eligibility letter, if issued by the FHWA, to the RE. Provide the RE with the purchase date certification for devices not meeting the MASH 2016 requirements upon delivery to the site. Ensure that traffic control devices meet or exceed an acceptable condition as described in the ATSSA guide Quality Standards for Work Zone Traffic Control Devices. Traffic control devices need not be new but must be in good condition. Provide traffic control devices according to MUTCD.

159.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Separate payment will not be made for relocating traffic control devices as required or as directed. Separate payment will not be made for posts or stands for construction signs. Separate payment will not be made for traffic control coordinator. Separate payment will not be made for moving the traffic control truck units during the various stages of construction. Separate payment will not be made for escape ramps provided at the edges of pavement lifts or at excavations. All costs thereof shall be included in the prices bid for the various Pay Items scheduled in the Bid Sheets.

All property owner notices, traffic control devices & manpower necessary to maintain such work zones utilizing the necessary devices and items, other than those stipulated to be paid under a separate bid pay item shall be supplied, implemented and removed at the appropriate time by the Contractor. Separate payment will not be made for the cost of such traffic control devices, any relocation of such and associated manpower but the costs shall be included in the various items of the proposal.

For traffic control devices measured by the linear foot or unit basis specified in 159.03.02, the Department will make payment for the maximum quantity in service at one time as required by the Contract. For CONSTRUCTION SIGNS, the Department will make payment for the maximum quantity of specific sign types in service at one time as required by the Contract. If a particular sign type has more than one unique text, each sign with a unique text will be considered to be a specific sign type. The Department will make payment for 50 percent of the Contract bid price for traffic control devices specified in 159.03.02 that are measured on a linear foot, square foot or unit basis upon approved placement. The Department will prorate the balance of payment over the duration of the Contract.

SECTION 160 - PRICE ADJUSTMENTS

THE ENTIRE SECTION 160 IS CHANGED TO:

160.01 DESCRIPTION

This Section describes the requirements for price adjustments for fuel and asphalt usage.

160.02 MATERIALS

(Intentionally Blank)

160.03 PROCEDURE

160.03.01 Fuel Price Adjustment

The Department will make price adjustments for fuel usage for Items listed in Table 160.03.01-1. Each month may be divided into two periods. Period one includes the first day of the month through the fourteenth day of the month. Period two includes the fifteenth day of the month through the last day of the month. Work starting within period one and continuing past midnight of the fourteenth day into the fifteenth day of the month will be included in period one for any price adjustments. Work continuing past midnight of the last day of the month into the first day of the next month will be included in period two.

The Department will calculate fuel price adjustments based on the pay quantities of listed Items using the fuel usage factors listed in Table 160.03.01-1.

Price adjustments may result in an increased payment to the Contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

If the as-built quantity of an Item listed in Table 160.03.01-1 differs from the sum of the quantities in the Estimates and the as-built quantity cannot be readily distributed among the time periods that the Item listed in Table 160.03.01-1 was constructed, then the Department will determine fuel price adjustment by distributing the difference in the same proportion as the Item's Estimate quantity is to the total of the Item's time period estimates.

Table 160.03.01-1 Fuel Price Adjustments	
Items	Fuel Usage Factor
EXCAVATION, UNCLASSIFIED	0.50 Gallons per Cubic Yard
EXCAVATION, REGULATED MATERIAL	0.50 Gallons per Cubic Yard
EXCAVATION, ACID PRODUCING SOIL	0.50 Gallons per Cubic Yard
REMOVAL OF PAVEMENT	0.25 Gallons per Square Yard
MICRO-MILLING	0.25 Gallons per Square Yard
HMA MILLING, 3" OR LESS	0.25 Gallons per Square Yard
HMA MILLING, MORE THAN 3" TO 6"	0.25 Gallons per Square Yard
CONCRETE MILLING	0.25 Gallons per Square Yard
HMA PROFILE MILLING	0.25 Gallons per Square Yard
BREAKING PAVEMENT	0.25 Gallons per Square Yard
RUBBLIZATION	0.25 Gallons per Square Yard
SUBBASE	1.00 Gallon per Cubic Yard
I SOIL AGGREGATE	1.00 Gallon per Cubic Yard
SOIL AGGREGATE BASE COURSE, "THICK	1.00 Gallon per Cubic Yard

Table 160.03.01-1 Fuel Price Adjustments		
Items	Fuel Usage Factor	
SOIL AGGREGATE BASE COURSE, VARIABLE THICKNESS	1.00 Gallon per Cubic Yard	
DENSE-GRADED AGGREGATE BASE COURSE, " THICK	1.00 Gallon per Cubic Yard	
DENSE-GRADED AGGREGATE BASE COURSE, VARIABLE THICKNESS	1.00 Gallon per Cubic Yard	
CONCRETE BASE COURSE, " THICK	0.25 Gallons per Square Yard	
CONCRETE BASE COURSE, REINFORCED " THICK	0.25 Gallons per Square Yard	
ASPHALT-STABILIZED DRAINAGE COURSE	2.50 Gallons per Ton	
OPEN-GRADED FRICTION COURSE	2.50 Gallons per Ton	
HOT MIX ASPHALT SURFACE COURSE	2.50 Gallons per Ton	
HOT MIX ASPHALT INTERMEDIATE COURSE	2.50 Gallons per Ton	
HOT MIX ASPHALT BASE COURSE	2.50 Gallons per Ton	
MODIFIED OPEN-GRADED FRICTION COURSE	2.50 Gallons per Ton	
ULTRA-THIN FRICTION COURSE	2.50 Gallons per Ton	
STONE MATRIX ASPHALT SURFACE COURSE	2.50 Gallons per Ton	
HIGH PERFORMANCE THIN OVERLAY	2.50 Gallons per Ton	
BINDER RICH INTERMEDIATE COURSE	2.50 Gallons per Ton	
BRIDGE DECK WATERPROOFING SURFACE COURSE	2.50 Gallons per Ton	
NON-VEGETATIVE SURFACE, HOT MIX ASPHALT	2.50 Gallons per Ton	
COLOR-COATED NON-VEGETATIVE SURFACE, HOT MIX ASPHALT	2.50 Gallons per Ton	
CONCRETE SURFACE COURSE, " THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, 4" THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, 5" THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, 6" THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, 8" THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, REINFORCED, 6" THICK	0.25 Gallons per Square Yard	
CONCRETE SIDEWALK, REINFORCED, 8" THICK	0.25 Gallons per Square Yard	
DIAMOND GRINDING OF CONCRETE SURFACE COURSE	0.25 Gallons per Square Yard	
DIAMOND GRINDING EXISTING CONCRETE PAVEMENT	0.25 Gallons per Square Yard	
SLURRY SEAL AGGREGATE, TYPE II	2.5 Gallons pero Ton	
SLURRY SEAL EMULSION	0.10 Gallons per Gallon	
CONCRETE BRIDGE APPROACH	0.50 Gallons per Cubic Yard	
CONCRETE CULVERT	1.00 Gallon per Cubic Yard	
CONCRETE FOOTING	1.00 Gallon per Cubic Yard	
CONCRETE WING WALL	1.00 Gallon per Cubic Yard	
CONCRETE PIER COLUMN PROTECTION, HPC	1.00 Gallon per Cubic Yard	
CONCRETE PIER COLUMNS AND CAP	1.00 Gallon per Cubic Yard	
CONCRETE ABUTMENT WALL	1.00 Gallon per Cubic Yard	
CONCRETE PIER SHAFT	1.00 Gallon per Cubic Yard	

Table 160.03.01-1 Fuel Price Adjustments		
Items	Fuel Usage Factor	
CONCRETE PEDESTRIAN BRIDGE	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE DECK	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE DECK, HPC	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE SIDEWALK	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE SIDEWALK HPC	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE PARAPET	1.00 Gallon per Cubic Yard	
CONCRETE BRIDGE PARAPET HPC	1.00 Gallon per Cubic Yard	
15" BY 32" CONCRETE BARRIER CURB, BRIDGE	0.12 Gallon per Linear Foot	
24" BY 32" CONCRETE BARRIER CURB, BRIDGE	0.17 Gallon per Linear Foot	
21" BY 34" CONCRETE BARRIER CURB, BRIDGE	0.15 Gallon per Linear Foot	
24" BY 42" CONCRETE BARRIER CURB, BRIDGE	0.21 Gallon per Linear Foo	
CAST-IN-PLACE CONCRETE PILES, DRIVEN "DIAMETER	1.00 Gallon per Cubic Yard	
RETAINING WALL, LOCATION NO.	0.10 Gallon per Square Foot	
CONCRETE MEDIAN BARRIER, HPC	0.16 Gallon per Linear Foot	
15" BY 41" CONCRETE BARRIER CURB	0.28 Gallon per Linear Foot	
24" BY 32" CONCRETE BARRIER CURB	0.17 Gallon per Linear Foot	
15" BY 54" CONCRETE BARRIER CURB	0.15 Gallon per Linear Foot	
38" BY 79" CONCRETE BARRIER CURB	0.40 Gallon per Linear Foot	
24" BY 39" CONCRETE BARRIER CURB	0.18 Gallon per Linear Foot	
18 5/8" BY 65" CONCRETE BARRIER CURB	0.20 Gallon per Linear Foot	
32" BY 41" CONCRETE BARRIER CURB	0.24 Gallon per Linear Foot	
24" BY 41" CONCRETE BARRIER CURB	0.19 Gallon per Linear Foot	
24" BY 45" CONCRETE BARRIER CURB	0.19 Gallon per Linear Foot	
15" BY 35" CONCRETE BARRIER CURB, DOWELLED	0.09 Gallon per Linear Foot	
15" BY VARIABLE HEIGHT CONCRETE BARRIER CURB	0.28 Gallon per Linear Foot	
24" BY VARIABLE HEIGHT CONCRETE BARRIER CURB	0.15 Gallon per Linear Foot	
15" BY VARIABLE HEIGHT CONCRETE BARRIER CURB, DOWELLED	0.24 Gallon per Linear Foot	
24" BY VARIABLE HEIGHT CONCRETE BARRIER CURB, DOWELLED	0.15 Gallon per Linear Foot	
19" BY 32" CONCRET BARRIER CURB, DOWELLED	0.10 Gallon per Linear Foot	
24" BY 32" CONCRETE BARRIER CURB, DOWELLED	0.13 Gallon per Linear Foot	
24 1/2" BY 53" CONCRETE BARRIER CURB, DOWELLED	0.18 Gallon per Linear Foot	
24 1/2" BY VARIABLE HEIGHT CONCRETE BARRIER CURB, DOWELLED	0.15 Gallon per Linear Foot	
24" BY 35" CONCRETE BARRIER CURB, DOWELLED	0.13 Gallon per Linear Foot	
GROUND MOUNTED BARRIER CURB	0.15 Gallon per Linear Foot	
15" BY 51" F SHAPE CONCRETE BARRIER CURB	0.34 Gallon per Linear Foot	
24 1/2" BY 51" F SHAPE CONCRETE BARRIER CURB	0.23 Gallon per Linear Foot	
24 1/2" BY" F SHAPE CONCRETE BARRIER CURB, DOWELLED	0.23 Gallon per Linear Foot	

Table 160.03.01-1 Fuel Price Adjustments		
Items	Fuel Usage Factor	
15" BY VARIABLE HEIGHT F SHAPE CONCRETE BARRIER CURB,	0.34 Gallon per Linear Foot	
DOWELLED		
15" BY" F SHAPE CONCRETE BARRIER CURB, DOWELLED	0.34 Gallon per Linear Foot	
VARIABLE WIDTH BY VARIABLE HEIGHT F SHAPE CONCRETE BARRIER CURB	0.34 Gallon per Linear Foot	
9" BY 16" CONCRETE VERTICAL CURB	0.04 Gallon per Linear Foot	
9" BY 18" CONCRETE VERTICAL CURB	0.04 Gallon per Linear Foot	
9" BY 20" CONCRETE VERTICAL CURB	0.04 Gallon per Linear Foot	
9" BY 22" CONCRETE VERTICAL CURB	0.05 Gallon per Linear Foot	
9" BY 14" CONCRETE VERTICAL CURB	0.03 Gallon per Linear Foot	
9" BY 4" CONCRETE VERTICAL CURB, DOWELLED	0.01 Gallon per Linear Foot	
9" BY 6" CONCRETE VERTICAL CURB, DOWELLED	0.01 Gallon per Linear Foot	
9" BY 8" CONCRETE VERTICAL CURB, DOWELLED	0.02 Gallon per Linear Foot	
9" BY 10" CONCRETE VERTICAL CURB, DOWELLED	0.02 Gallon per Linear Foot	
12" BY 13" CONCRETE SLOPING CURB	0.04 Gallon per Linear Foot	
12" BY 3" CONCRETE SLOPING CURB, DOWELLED	0.01 Gallon per Linear Foot	
" BY" CONCRETE SLOPING CURB, DOWELLED	0.01 Gallon per Linear Foot	
9" BY VARIABLE HEIGHT CONCRETE VERTICAL CURB	0.04 Gallon per Linear Foot	
9" BY VARIABLE HEIGHT CONCRETE VERTICAL CURB, DOWELLED	0.02 Gallon per Linear Foot	

If an item listed in Table 160.03.01-1 has a payment unit which differs from that listed in Table 160.03.01-1, the Department will apply an appropriate conversion factor to determine the number of gallons of fuel used.

The Department will calculate fuel price adjustment using the following formula:

$$F = (MF - BF) \times G$$

Where:

F = Fuel Price Adjustment

MF Fuel Price Index for work performed in the time period immediately before the estimate cutoff

= date.

BF = Basic Fuel Price Index

G = Gallons of Fuel for Price Adjustment

The Department will post the Fuel Price Index every month on the Department's website: https://www.state.nj.us/transportation/business/aashtoware/PriceIndex.shtm.

The Basic Fuel Price Index is the Index which is listed for the month prior to the receipt of bids. If the month prior to the receipt of bids has two Indexes, the Index in effect for the first day of that month will govern for the Basic Fuel Price Index. If the Fuel Price Index increases by 50 percent or more over the Basic Fuel Price Index, do not perform any work involving Items listed in Table 160.03.01-1 without written approval from the RE.

160.03.02 Asphalt Price Adjustment

The Department will make price adjustments for asphalt binder usage. The Department will calculate asphalt price adjustments based on the quantities of Items containing asphalt binder constructed.

Each month may be divided into two periods. Period one includes the first day of the month through the fourteenth day of the month. Period two includes the fifteenth day of the month through the last day of the month. Work starting on the fourteenth day of the month and continuing past midnight into the fifteenth day of the month will be included in period one for any price adjustments. Work continuing through midnight of the last day of the month into the first day of the next month will be included in period two.

The Asphalt Price Adjustment will be separated between asphalt binder grades PG 64S-22 and PG 64E-22. The price used for both the Basic and Monthly Price Indexes will be determined based on the performance grade of asphalt binder in the approved mix design for the asphalt mixture.

Price adjustments may result in an increased payment to the Contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

The Department will calculate the asphalt price adjustment by the following formula:

$$A = (MA - BA) \times T$$

Where:

A = Asphalt Price Adjustment

MA Asphalt Price Index for work performed in the time period immediately before the estimate

= cutoff date.

BA = Basic Asphalt Price Index

 $T = Tons of New Asphalt Binder^1$

1. The Department will determine the weight of asphalt binder for price adjustment by multiplying the percentage of new asphalt binder in the approved job mix formula by the weight of the item containing asphalt binder. If a Hot Mix Asphalt Item has a payment unit other than ton, the Department will apply an appropriate conversion factor to determine the number of tons of asphalt binder used.

For Tack Coat, Prime Coat, MICRO SURFACING EMULSION, SLURRY SEAL EMULSION, and FOG SEAL SURFACE TREATMENT, the Department will calculate the weight of asphalt as follows:

$$T = G \times C \times 0.00428$$

C = Petroleum content of the product

Use 100% for Tack Coat 64-22 and Tack Coat 64E-22

Use 60% for Polymer Modified Tack Coat, and all other emulsified asphalts

G = Gallons furnished

The constant 0.00428 is derived from the conversion factor of tons per gallon using 8.345 lbs/gallon for water and a factor of 1.025 for the specific gravity of asphalt binder.

The Department will not calculate an asphalt price adjustment for FOG SEAL STRIP.

The monthly asphalt price index, as determined by the Department, will be the average of quotations from suppliers serving the area in which the Project is located, and will be determined by the Department. The Department will post the asphalt price index every month on the Department's website: https://www.state.nj.us/transportation/business/aashtoware/PriceIndex.shtm.

The Basic Asphalt Price Index will be the Index which is listed for the month prior to the receipt of bids. If the month prior to the receipt of bids has two Indexes, the Index in effect for the first day of the month will govern for the Basic Asphalt Price Index.

The Monthly Asphalt Price Index will be that for the month that the work is constructed in. If work is constructed over the course of two or more months for a particular pay estimate, then multiple Monthly Indexes will be used corresponding to the date that the work was performed.

If the Asphalt Price Index increases 50 percent or more over the basic asphalt price index, do not perform work on Items containing asphalt binder without written approval from the RE.

160.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Asphalt price adjustments will not be made for Tack Coat and Prime Coat.

SECTION 161 - FINAL CLEANUP

161.04 MEASUREMENT AND PAYMENT

THE ENTIRE SUBSECTION IS CHANGED TO:

Separate payment will not be made for Final Cleanup but the costs shall be included in various items of the proposal.

SECTION 201 - CLEARING SITE

201.03.02 Clearing Site, Bridge and Clearing Site, Structure

THE FIRST PARAGRAPH IS CHANGED TO:

Submit a demolition plan detailing the work area, methods, and equipment to be used to the RE for approval 30 days before demolition operations. Clear site within work area as specified in 201.03.01. Remove the substructures of existing structures to at least 3 feet below the natural stream bottom and remove those parts outside of the stream to at least 2 feet below natural ground surface. Where such portions of existing structures lie wholly or in part within the limits of a new structure, remove them to accommodate the construction of the proposed structure.

THE FOLLOWING IS ADDED:

The demolition plan shall be signed and sealed by Professional Engineer in the State of New Jersey. The demolition plan shall include accurate locations of existing utilities and the means and methods for maintaining utility service during demolition operations. Temporary support of utilities and temporary relocation of existing utilities shall be submitted under a separate cover.

The Contractor shall ensure that no debris from demolition operations falls into the Elizabeth River. The Contractor shall include the means and methods in the demolition plan for ensuring no debris will drop into the Elizabeth River.

Any proposed plans for temporary shielding, temporary sheeting, and/or temporary shoring for demolition and construction purposes shall be submitted under a separate cover signed and sealed by a New Jersey Professional Engineer.

201.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

Payment for the item "Clearing Site" in excess of \$50,000.00 will not be made until completion of the project.

Payment for the item "Clearing Site, Bridge" in excess of \$200,000.00 will not be made until completion of the project.

Separate payment will not be made for sawcutting, temporary sheeting, nor temporary shoring related to site clearing operations but shall be included in the costs of the various items of the proposal.

SECTION 202 - EXCAVATION

202.03 CONSTRUCTION

202.03.03 Excavating Unclassified Material

A. Excavating.

THE FIRST PARAGRAPH IS CHANGED TO:

Unclassified excavation consists of excavation and management of material of whatever nature encountered, including regulated material, pavement removal and acid producing soil.

202.04 MEASUREMENT AND PAYMENT

THE FOLLOWING PAY ITEMS ARE DELETED:

Item Pay Unit

PRESPLITTING SQUARE YARD

EXCAVATION, REGULATED MATERIAL CUBIC YARD

SOIL SAMPLING AND ANALYSES, REGULATED UNIT

EXCAVATION, ACID PRODUCING SOIL CUBIC YARD

SOIL SAMPLING AND ANALYSES, ACID PRODUCING SOIL UNIT

DISPOSAL OF ACID PRODUCING SOIL TON

DISPOSAL OF REGULATED MATERIAL TON

DISPOSAL OF REGULATED MATERIAL, HAZARDOUS TON

REMOVAL OF PAVEMENT SQUARE YARD

THE FOLLOWING IS ADDED:

Disposal of asphalt and concrete will be made to an N.J.D.E.P. approved recycling facility. The Contractor shall notify the Recycle Facility to provide the County with appropriate credit for recycling.

The Department will not make payment for presplitting, but all costs shall be included in the unit price bid for the item Excavation, Unclassified.

The Department will not make payment for the excavation of regulated materials or acid-producing soils, but all costs shall be included in the unit price bid for the item Excavation, Unclassified.

The Department will not make payment for soil sampling and analyses required to complete the project, but all costs shall be included in the unit price bid for the item Excavation, Unclassified.

The Department will not make payment for removal of pavement, but all costs shall be included in the unit price bid for the item Excavation, Unclassified.

The Department will not make payment for disposal of material of whatever nature encountered, but all costs shall be included in the unit price bid for the item Excavation, Unclassified.

The Department will not make payment for sawcutting, stripping and disposal of excess, unstable or unsuitable or unusable material from Excavation, Unclassified.

The Department will not make payment for dewatering and temporary diversion of Robinson Branch of the Rahway River, but all costs shall be included in various items of the proposal.

The Department will measure Excavation, Unclassified in unstable areas by the cubic yard of material actually excavated in the work. The Department will make payment for Excavation, Unclassified as specified in this section.

SECTION 401 - HOT MIX ASPHALT (HMA) COURSES

401.03.07 HMA Courses

THIS SUBSECTION IS REPLACED BY THE FOLLOWING:

H. Air Void Requirements.

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

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

The Laboratory Technician who performs the quality assurance sampling shall be certified by the Society of Asphalt Technologists of New Jersey as an Asphalt Plant Technologist, Level 2.

The Laboratory will determine air voids from 5 (Five) 6 inch diameter cores taken from each lot in random locations within the traveled way and at least one core in each travel lane. The HMA Core Sampling Plan form provided on the Local Aid Website must be utilized by the Laboratory to determine the random locations of the cores. The Laboratory may rerun the random location functions on the HMA Core Sampling Plan form to resolve any conflicts generated by the HMA Core Sampling Plan form and physical limitations of the HMA lot, such as utility conflicts, or the specifications defined herein. The coring locations must be designated by a station and offset, and offsets are taken from the left edge of the pavement in the direction of travel within the lane lines. The Laboratory must disclose the contents of the HMA Core Sampling Plan with the Contractor to assist in the schedule of construction.

The Laboratory will determine air voids of cores from the values for the maximum specific gravity of the mix and the bulk specific gravity of the core. The Laboratory will determine the maximum specific gravity of the mix according to NJDOT B-3 and AASHTO T 209, except that minimum sample size may be waived in order to use a 6-inch diameter core sample. The Laboratory will determine the bulk specific gravity of the compacted mixture by testing each core according to AASHTO T 166.

The Laboratory will calculate the percent defective (PD) as the percentage of the lot outside the acceptable range of 2 percent air voids to 8 percent air voids. The acceptable quality limit is 15 percent defective. For lots in which PD > 15, the Department will assess a negative pay adjustment.

The Laboratory will use and submit to the RE <u>form DS8S-PD</u> provided from The Local Aid District Office and verify manually the PD calculation.

The Laboratory will calculate pay adjustments based on the following:

1. Sample Mean (\bar{X}) and Standard Deviation (S) of the N Test Results (X1, X2,..., XN).

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

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

2. Quality Index (Q).

$$Q_{L} = \frac{(\overline{X} - 2.0)}{S}$$

$$Q_{U} = \frac{(8.0 - \overline{X})}{S}$$

3. **Percent Defective (PD).** Using NJDOT ST for the appropriate sample size, the Laboratory will determine PD_L and PD_U associated with Q_L and Q_U , respectively. $PD = PD_L + PD_U$

Table 401.03.07-3

4. Reduction Per Lot. Calculate the reduction per lot as specified in Table 401.03.07-3:

Reduction in Payment for Nonconformance to Air Void Requirements		
Percent Defective (PD) Per Lot	Reduction Per Lot (%)	
$0 < PD \le 15$	0	
$15 < PD \le 30$	0.5	
$30 < PD \le 35$	2	
$35 < PD \le 40$	10	
$40 < PD \le 45$	15	
$45 < PD \le 50$	20	
$50 < PD \le 60$	30	
$60 < PD \le 75$	45	
PD > 75	Remove & Replace	

- **5. Outlier Detection.** If PD < 10, the Laboratory will not screen for outliers. If PD \geq 10, the Laboratory will screen acceptance cores for outliers using a statistically valid procedure. The following procedure applies only for a sample size of 5 or 10.
 - 1. The Laboratory will arrange the core results in ascending order, in which X1 represents the smallest value and XN represents the largest value.

2. If XN is suspected of being an outlier, the Laboratory will calculate:

$$R = \frac{X_N - X_{(N-1)}}{X_N - X_1}$$

3. If X₁ is suspected of being an outlier, the Laboratory will calculate:

$$R = \frac{X_2 - X_1}{X_N - X_1}$$

For N = 5 if R > 0.642, the value is judged to be statistically significant and the core is excluded.
 For N = 10 if R > 0.412, the value is judged to be statistically significant and the core is excluded.

If an outlier is detected for N = 5 and no retest is warranted, the Contractor may replace that core by taking an additional core at the same offset and within 5 feet of the original station. If an outlier is detected and a retest is justified, take a replacement core for the outlier at the same time as the 5 additional retest cores are taken. If the outlier replacement core is not taken within 15 days, the Laboratory will use the initial core results to determine reduction per lot.

If an outlier is detected for N = 10, the Contractor may replace that core by taking an additional core at the same offset and within 5 feet of the original station. If the outlier replacement core is not taken within 15 days, the Laboratory will use the initial core results to determine the reduction per lot.

- 6. Retest. If the initial series of 5 cores produces a percent defective value of PD ≥ 30 for mainline or ramp lots, or PD ≥ 50 for other pavement lots, the Contractor may elect to take an additional set of 5 cores at random locations chosen by the HMA Core Sampling Plan form. Take the additional cores within 15 days of receipt of the initial core results. If the additional cores are not taken within the 15 days, the Laboratory will use the initial core results to determine the PPA. If the additional cores are taken, the Laboratory will recalculate the reduction per lot using the combined results from the 10 cores.
- 7. Removal and Replacement. If the final lot PD ≥ 75 (based on the combined set of 10 cores or 5 cores if the Contractor does not take additional cores), remove and replace the lot and all overlying work. The replacement work is subject to the same requirements as the initial work.

For shoulder lots, the Department will assess the calculated reduction per lot instead of removal and replacement. Fog seal the lot as specified in 422.03.01.

401.03.07 I THICKNESS REQUIREMENTS

THIS SUBSECTION IS REPLACED BY THE FOLLOWING:

I. Thickness Requirements.

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

Pavement lots are defined as approximately 15,000 square yards of pavement area. The Engineer will not include areas consisting of different HMA mixtures or thicknesses in the same lot. If

thickness lot area is less than 5000 square yards, the Regional District Local Aid Office may waive the thickness requirements.

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

The Laboratory Technician who performs the quality assurance sampling shall be certified by the Society of Asphalt Technologists of New Jersey as an Asphalt Plant Technologist, Level 2.

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

1. Total Thickness. The Laboratory will calculate the percent defective (PD) as the percentage of the lot that is less than the design thickness. The Laboratory will consider 25 percent defective as the acceptable quality limit. For lots where PD < 25, the Department will award a positive pay adjustment. For lots where PD < 25, the Department will assess a negative pay adjustment.

The Department will base total thickness acceptance on the percentage of the lot estimated to fall below the specified thickness as follows:

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

$$\overline{X} = \frac{\left(X_{1} + X_{2} + \dots + X_{N}\right)}{N}$$

$$S = \sqrt{\frac{\left(X_{1} - \overline{X}\right)^{2} + \left(X_{2} - \overline{X}\right)^{2} + \dots + \left(X_{N} - \overline{X}\right)^{2}}{N - 1}}$$

b. Quality Index (Q_I).

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

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

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

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

e. Removal and Replacement. If the lot $PD \ge 45$, remove and replace, or mill and overlay, the lot. The replacement work is subject to the same requirements as the initial work.

2. Surface Course Thickness. The Laboratory will evaluate the surface course solely to determine whether a remove-and-replace or an overlay condition exists, not for pay adjustment. The Laboratory will calculate the percent defective (PD) as the percentage of the lot that is less than the allowable thickness for the nominal maximum aggregate used in the surface course. The Laboratory will accept pavement lots with PD ≤ 30 and will reject pavement lots with PD > 30.

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

- a. Sample Mean (\overline{X}) and Standard Deviation (S) of the N Test Results (X_1, X_2, X_N) . Calculate using the formula as specified in 401.03.03.I.1.
- b. Quality Index (Q).

 $Q_L = (\overline{X} - T_{all})/S$, where T_{all} is the minimum allowable thickness from Table 407.03.07

Table 407.03.07 Surface Course Thickness Requirements		
HMA Mix Design Size Designation	•	
4.75 MM	0.75 inch	
9.5 MM	1.00 inch	
12.5 MM	1.25 inches	
19 MM	2.00 inches	

- **c. Percent Defective.** Using NJDOT ST for the appropriate sample size, determine the percentage of material (PD) falling below the allowable thickness associated with Q_L (lower limit).
- **d.** Retest. If the initial series of 5 cores produces a percent defective value of PD > 30, the Contractor may take an additional 5 cores at random locations determined by the Laboratory. Notify the RE within 15 days of receipt of the initial core results to take the additional cores. If the RE is not notified within the 15 days, the Laboratory will use the initial core results to determine the PPA. When the additional cores are taken, the Laboratory will recalculate the reduction in payment for nonconformance requirements using the combined results from the 10 cores to obtain the total PD.
- e. Removal and Replacement. If the surface course fails to meet the acceptance requirement with a PD \leq 45, the Department will require removal and replacement of the lot. The replacement work is subject to the same requirements as the initial work.

REPLACE 401.03.07. J WITH THE FOLLOWING:

J. Ride Quality Requirements. Ride Quality will not be measured for this project.

401.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

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

Pay Adjustment = $Q \times BP \times PPA$

Where:

BP = Bid Price

Q= Air Void Lot Quantity

PPA= air void PPA as specified in 401.03.03H.

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

Pay Adjustment = $Q \times BP \times PPA$

Where:

BP = Bid Price

Q= Thickness Lot Quantity

PPA= thickness PPA as specified in 401.03.03I

THE FOLLOWING IS DELETED FROM THE LIST OF PAY ITEMS:

ItemPay UnitPOLYMERIZED JOINT ADHESIVELINEAR FOOT

All costs for POLYMERIZED JOINT ADHESIVE shall be included in the prices bid for the various Hot Mix Asphalt items.

Pay Adjustments for Air Voids and Thickness and Ride Quality will be made according to Subsections 401.03.03.H and 401.03.3.I, respectively.

Disposal of asphalt will be made to an N.J.D.E.P. approved recycling facility. Prior to the start of operations, the Contractor shall notify the County of the location where the asphalt will be disposed. Disposal of the asphalt will be carried out in accordance with the Standard Specifications.

Hot mix asphalt material for manhole, inlet and other ramping will not be measured. No separate payment will be made for this hot mix asphalt material.

A prime coat will be applied to dense graded aggregate base prior to placement of hot mix asphalt pavement.

A <u>tack coat</u> will be applied to all layers of hot mix asphalt courses, prior to placement of new hot mix asphalt course. In addition, a tack coat will be applied at the edges of the new pavement between paver passes.

Separate payment will not be made for temporary hot mix asphalt pavement but the costs shall be included in the various traffic control pay items.

DIVISON 500 BRIDGES AND STRUCTURES

SECTION 504 - STRUCTURAL CONCRETE

504.02 MATERIALS

504.02.01 Materials

THE FOLLOWING IS ADDED:

Cast-In-Place Concrete shall conform to subsection 903.03, Table 903.03.06-2.

504.03.01 REINFORCEMENT STEEL

E. Placing and Fastening.

THE FOLLOWING IS ADDED:

Distance from the forms shall be maintained by means of metal bar chairs with plastic coated feet of the proper length.

Metal bar chairs with plastic-coated feet of the proper length shall be used to support all reinforcement steel.

Hardware for reinforcement steel in structures, epoxy coated.

Bar supports and screed supports shall be epoxy coated. Tie wires shall be plastic coated or epoxy coated.

504.03.02 Constructing Concrete

B. Forms.

THE FOLLOWING IS ADDED:

All formwork joints shall be tight and aligned so as to produce smooth even exposed concrete surfaces without ridges, offsets, or irregularities.

All steel forms used for forming exposed surfaces of structures shall be lined with finished lumber (i.e., coated plywood or approved equal) to provide smooth even concrete surfaces. If and where the condition of the proposed steel forms is like new (i.e., without dents, warps, holes, etc.) and will provide smooth even exposed concrete surfaces, the contractor may request in writing that the engineer waive the requirement to line steel forms with finished lumber.

C. Limitations of Placing.

THE FOLLOWING IS ADDED:

The contractor's attention is called to this subsection. This project will be constructed during winter months therefore Section 1. "Cold Weather Concreting" shall be strictly enforced. The contractor will be expected to adhere to all requirements of this section. No extra work claims will be entertained for any work described in this section.

G. Removal of Forms and Falsework.

THE FOLLOWING IS ADDED:

Do not remove forms and false work until the concrete obtains a compressive strength of 4000 psi.

504.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

No separate or extra payment shall be made for cold weather concreting, but cost shall be included in the concrete items.

SECTION 506 – STRUCTURAL STEEL

506.03.01 Structural Steel

PART B IS CHANGED TO:

- **B.** Erection Plan. At least 30 days before the pre-erection meeting, submit working drawings for approval, as specified in 105.05, regarding the plan of operations to the RE. Include, at a minimum, the following in the plan:
 - 1. Number and type of manpower and equipment.
 - 2. Shipping procedures.
 - 3. Lifting procedures.
 - 4. Beam erecting sequence, including method of setting bearings and diaphragms.
 - 5. Temporary bracing.
 - 6. Manufacturer's recommendations.
 - 7. Procedures for employee safety.
 - 8. Traffic control and protection.

SECTION 507 – CONCRETE BRIDGE DECK, BRIDGE PARAPET, AND APPROACHES

507.03.01 Joint Assemblies

A. Working Drawings.

PART A IS CHANGED TO:

Submit working drawings for approval, as specified in 105.05, for modular expansion joint assemblies. Submit working drawings for certification, as specified in 105.05, for strip seal expansion joint assemblies, preformed elastomeric joint assemblies, and other types of expansion joint assemblies. Finger joint assemblies are not allowed. As a minimum, indicate the following information on the working drawings:

- 1. Plan, elevation, and section of the joint system for all movement ratings and roadway width limitations, as well as relative dimensions and tolerances.
- 2. All ASTM, AASHTO, or other material designations.
- 3. Method of installation including sequence of installation, relative temperature settings, setting anchorage, and installation at curb lines.
- 4. Corrosion protection system or material.
- 5. Details of temporary supports for shipping and handling. Include lifting mechanisms and locations.
- 6. Design calculations for all structural elements. As warranted, include fatigue design calculations and strength design calculations. Indicate locations of all welded splices.
- 7. Design the joint system as one continuous unit without field splices. If due to shipping or construction requirements, splices are necessary indicate that the locations of the splices are to be in areas outside the main traffic lanes. Provide field splicing procedures.
- 8. Ensure that the removal and reinstallation of the strip seal can be accomplished from above the joint without full closure of the roadway.
- 9. Ensure that the expansion joint assembly seals do not protrude above the top of the joint. Use preformed neoprene strip seals that are mechanically held in place.

In addition, for modular expansion joint assemblies, incorporate the following requirements:

- 1. Provide the modular expansion joint assembly to accommodate all expected longitudinal movements as well as vertical and horizontal rotations. Incorporate strip seal glands with a maximum movement range of 3.15 inches per seal. Support centerbeam(s) with an independent support bar that is welded to the centerbeam. Suspend the support bars over the joint opening by sliding elastomeric bearings. Incorporate an equidistant control system that develops its maximum compressive force when the joint is at its maximum opening. Do not use bolted connections between the centerbeams and support bars unless approved by the Designer. If bolted connections are approved, lock them into position after tightening. Provide tightening procedure for Designer's approval to ensure all bolts cannot loosen during the service life.
- 2. Provide continuous centerbeams without any field splice unless approved by the Designer. If a field splice is inevitable due to a manufacturing constraint, provide a fatigue resistant field splice (welded or bolted, and located away from potential wheel paths) and installation procedure. Submit welding procedure specification (WPS), welder qualification, weld procedure, and QC inspection plans for field welds for Designer's approval. Installation is to be supervised by the Manufacturer and Contractor. If bolted connections are used, provide a bolt tightening procedure and ensure bolt loosening does not happen during service life. Provide continuous strip seals even if centerbeams are spliced.

Verify the blockout location, dimensions, and details shown on contract plans, and ensure that installation of a modular expansion joint assembly shall fit in the blockouts on site.

- 3. Fatigue test the modular expansion joint assembly, including the transverse centerbeams, support bars, and other structural elements and connections, according to Section 19/A19 of AASHTO LRFD Construction Specifications. Submit prequalification fatigue test report. Ensure welded (or bolted, if approved) details used in project products match those that have been fatigued tested. When a fatigue test report is not available, welded, or bolted details may be fatigue designed in accordance with Section 14 of AASHTO LRFD Bridge Design Specifications as approved by the Designer.
- 4. Perform prequalification tests, Open Movement and Vibration (OMV) testing and Seal Push-Out (SPO) testing as specified in 914.04.03 for review and approval by the Designer.
- 5. Provide the elastomeric springs and bearings to be removable and replaceable in the event maintenance is necessary.

Verify the blockout location, dimensions, and details shown on contract plans, and ensure that installation of a modular expansion joint assembly shall fit in the blockouts on site.

B. Installation.

PART 3 IS CHANGED TO:

3. Modular Expansion Joint Assemblies. Modular expansion joint assemblies include preformed neoprene strip seals that are held in place by steel edgebeams and centerbeams, support bars to support the centerbeam and sliding elastomeric bearings. These assemblies contain no bolted connections unless approved by the Designer.

507.03.02 Concrete Bridge Deck

A. Forms. Construct forms as follows:

THE FIRST PARAGRAPH IN PART 1 IS CHANGED TO:

- 1. Stay-In-Place (SIP) Forms. SIP forms must not be used, unless approved by the RE as part of a value engineering design change. Submit working drawings for approval, as specified in 105.05, that include the following:
 - a. Deck reinforcement location.
 - b. Grade of steel.
 - c. Galvanizing specification.
 - d. Physical and section properties for all permanent steel bridge deck form sheets.
 - e. Locations where the forms are supported by steel flanges subject to tensile stresses.

507.03.05 Concrete Parapet and Concrete Barrier Curb

Construct the reinforced concrete bridge parapet barrier and railing in accordance with the Appendix 2 FHWA-approved Michigan DOT B-25 42-inch TL-4 Bridge Railing attachment details. All hardware and assembly is incidental to and paid under the respective pay item for bridge railing.

THE FOLLOWING SECTION HAS BEEN ADDED:

SECTION 556 - BRIDGE SUBSTRUCTURE REHABILITATION

556.01 DESCRIPTION

All work under this section shall be carried to the limits directed by the engineer.

The bridge elements to be included in the substructure shall be the abutments, wingwalls, piers and other concrete substructure elements.

(A) Repair of Concrete Substructure, Type B

This work shall consist of the repair of reinforced concrete abutments, piers and wingwalls including removing and properly disposing of loose and deteriorated concrete and reinforcement steel, saw cutting the edges of areas to be repaired, cleaning the surfaces of concrete and exposed reinforcement steel within the limits of repair, applying an epoxy coating to exposed reinforcement steel, installing supplemental epoxy coated reinforcement steel where required, installing galvanized or epoxy coated steel mesh for repairs deeper than four inches, applying an epoxy bonding compound to the surface of existing concrete to be repaired and placing new restoration material.

556.02 MATERIALS

(A) Repair of Concrete.

Class B concrete shall conform to section 903.

Epoxy and quick-setting patch materials shall conform to the applicable requirements of section 903.07.

Epoxy coating for existing reinforcement steel shall conform to the requirements of subsection 905.01 (c) and shall be ply-tile (520) as supplied by M.A. Broder Co., 600 Reed Road, Bromall, Pennsylvania 19008 (telephone: 215-353-5100); Scotchkote 214 pc as supplied by 3m company, St. Paul, Minnesota 55144, (telephone: 800-553-1380); or approved equal.

Supplemental reinforcement steel in structures, epoxy coated shall conform to subsection 905.01.

Epoxy coated steel mesh shall conform to AASHTO m 55 with an epoxy coating in conformance with subsection 905.01 (c). Galvanized steel wire mesh shall conform to subsection 905.01(f).

Epoxy bonding coat shall conform to the requirements of subsection 903.04. Slow set bonding agent shall be "weld-crete" as manufactured by Larson Products Corporation, Rockville, Maryland; Sika Armatec 110 as manufactured by Sika Chemical Corporation, Lynhurst, New Jersey or equal. These bonding agents are suitable for spall repairs that are formed prior to placing concrete.

Anchors for attaching steel reinforcement shall be power driven fasteners as manufactured by one of the following suppliers:

Hilti, Inc.

P.O. Box 21148 Tulsa, Oklahoma 74121 Telephone: 800-879-8000

Ramset fastening systems Route 139 Bradford, Connecticut

Remington 25000 s. Western Avenue Park Forest, Illinois

556.03 CONSTRUCTION

A) Repair Substructure Concrete:

Type B repair shall consist of removing all delaminated or deteriorated concrete to a minimum depth of 1 inch below the reinforcement steel.

Repair of superstructure/substructure concrete shall be performed at areas outlined as Type B at locations designated by the engineer. The application of each type shall be based on the depth actually encountered in the field after the removal of loose and deteriorated concrete.

The lateral limits of each area to be removed and replaced will be delineated by the Engineer and suitably marked. Areas in need of repair will be designated by the Engineer in the field. These areas may have been increased or been repaired in the interim. **Final sounding will be necessary for final acceptance of the repaired area.**

Repair areas shall be saw cut to a depth of 3/4 inch with a power saw capable of making straight cuts prior to removal of deteriorated concrete.

All deteriorated or unsound concrete shall be removed to sound concrete or as directed by the engineer. Minimum depth of concrete removal shall be one (1) inch. If deteriorated or unsound concrete appears to extend below existing ground, the existing ground shall be excavated as required to allow for removal of all unsound or deteriorated concrete. The cost of excavating and backfilling of the existing ground will be included in the cost for Type B substructure concrete repairs. Concrete may be removed by means of approved pneumatic lightweight chipping hammers or hand tools. The size of the hammers shall not exceed 8 pounds with the bit removed. Pneumatic tools should not be placed in direct contact with reinforcement steel. Extreme care shall be taken when reinforcement steel, pre-stressed tendons or anchor bolts are uncovered so as not to damage the steel or the anchor bolt or their bond in the surrounding sound concrete. At no time shall the reinforcement steel be used for creating leverage when chipping concrete. Reinforcement steel or other embedded items damaged during concrete removal shall be repaired by the contractor, as directed by the engineer, at no additional cost to the owner. Where removal of the deteriorated concrete destroys the bond between the reinforcement steel and the concrete or where more than 1/2 the diameter of the rebar is exposed, removal shall extend to at least one (1) inch beyond the bars. The limits of the cavity for deep, narrow repairs (depth equals or exceed twice the width) shall be undercut to lock the repair patch in place.

After removal of unsound concrete, the surfaces of the remaining concrete shall be cleaned with compressed air jets to assure removal of all loose concrete, dust, and other foreign material. Compressors used for air jets shall be equipped with a functioning oil trap to prevent contamination. Embedded items shall be cleaned of

all loose adhering concrete, rust and scale. Adhering concrete shall be removed from exposed reinforcement steel.

Any appurtenances such as drain pipes, conduits, and/or their supports that would interfere with the repair work shall be removed prior to the removal of damaged concrete, and reinstalled after completion of the repairs. Cost to be included in the various items of the bid.

After removal of spalled concrete, repairs should be completed promptly.

For Type B repairs, deteriorated reinforcement shall be replaced with epoxy coated reinforcement in accordance with the plans and as directed by the engineer. For repairs greater than four (4) inches in depth, galvanized or epoxy coated welded wire mesh (4 x 4 -w2.0 x w2.0) shall be securely fastened to the existing reinforcing steel or adequately anchored into sound concrete as directed by the engineer. Provide two (2) inches of cover over the welded wire mesh. No separate payment will be made for the welded wire mesh.

Details of platforms, catches or other methods of collecting materials resulting from the preparation of spall areas for repair shall be of the contractor's design, signed and sealed by a professional engineer licensed in the state of New Jersey, and shall be submitted to the engineer for review before commencing concrete removal. Materials collected shall not be allowed to accumulate, but shall be promptly removed and legally disposed of away from the right-of-way in accordance with section 201.

After completion of the removal and cleaning operations, and immediately prior to the placement of any non-epoxy patch material, the surfaces shall receive a coating of the bonding compound applied in accordance with the manufacturer's recommendations and as directed by the engineer.

Where installation of forms prohibits the use of epoxy bonding compound due to application and drying problems, slow setting bonding agent shall be applied to concrete contract surfaces. Bonding agent application conditions and procedures shall be as recommended by the manufacturer. Concrete shall be placed within a period of 48 hours after application of the bonding agent. If this time period is exceeded, another coating of the material shall be applied.

The pot-life of the epoxy bonding compound, mixing period, maximum time lapse between mixing compound and placing of the new concrete, are all dependent on the temperature, humidity, and wind conditions. The contractor shall be acquainted with such information as recommended by the manufacturer, and shall schedule repair operations accordingly.

Non-epoxy patch materials shall be placed immediately while the bonding compound is still tacky. If the bonding compound dries before the patch material is placed, another coating of epoxy bonding compound shall be applied, as herein described, at no additional cost to the owner.

When quick-setting patch material is specified, all operations shall conform to the manufacturer's recommendations. Two copies of the manufacturer's technical data sheets shall be submitted to the engineer. A technical representative of the manufacturer shall be present on the site to provide guidance in the preparation and placement of the quick setting patch material based on prevailing climatic and job conditions. The representative shall be present at least during one complete cycle of the procedures required for the initial placement.

Quick-setting patch material shall be hand applied or formed in accordance with the manufacturer's instructions.

Preparation, placement and curing of epoxy patch material shall be in accordance with the manufacturer's recommendations.

Whatever means of placing the patch material is employed, it shall be such that the material will completely fill the space to be replaced, be thoroughly compacted, and free of air pockets. All details of design, such as v-grooves, chamfers, joints, and any other feature in the existing abutment or pier shall be duplicated in the repair work under this section.

Where existing flashing is encountered at filled joints, the contractor shall use extreme care during the work (removal of concrete, formwork and placing new reinforcement steel and concrete) so as to prevent damage to the flashing. Damaged flashing shall be repaired by the contractor to the satisfaction of the engineer at no cost to the authority.

After the patch material is in place, normal finishing operations shall be completed. Reinforcement steel, placing of concrete, forming, removal of forms, finishing and curing of the patch material shall conform to the applicable requirements of section 501.

Cavities left in concrete after removal of form ties or form anchors shall be filled with non-shrink mortar similar to that of which the concrete for spall repair is prepared, or non-shrink grout.

B) Concrete Repairs, Substructure Allowance:

The contract provides for a fixed allowance to be used only in the event of necessary field changes. The contractor will be paid for additional work under this pay item in the event field modifications or additional substructure repairs are necessary upon removal of the superstructure. Payment will be made on a time and material basis in accordance with subsection 104.03.08 of these contract specifications and will only be used if field modifications are necessary which result in additional costs. The contractor is not entitled to any monies from this pay item unless field modifications are necessary at an additional cost.

556.04 MEASUREMENT AND PAYMENT

The Department will measure and make payment for items as follows:

Item	Pay Unit
CONCRETE SPALL REPAIR-SUBSTRUCTURE, TYPE B	SQUARE FOOT
CONCRETE REPAIRS, SUBSTRUCTURE ALLOWANCE	LUMP SUM

Individual areas of spall repair will be computed to the nearest square foot of exposed surface areas.

No separate payment will be made for sawcutting edges of repairs, steel mesh or supplementing reinforcement steel. All associated costs will be included in the various repair items.

Final quantities and payment for repair of Concrete Spall Repair - Substructure, Type B, will be determined by the engineer from the final depth and repair surface area measured in the field after preparation of the area and prior to placement of the patching material, regardless of the original designation or preparatory work for another repair type.

DIVISION 600 – MISCELLANNEOUS CONSTRUCTION

SECTION 606 - SIDEWALKS, DRIVEWAYS, AND ISLANDS

606.03.02 Concrete Sidewalks, Driveways, and Islands.

THE FOLLOWING IS ADDED:

The various items for Concrete Sidewalk, consists of the removal and disposal of any existing concrete, brick, or hot mix asphalt walks; excavation to the proper depth all around; setting forms as required; placing a 4" stone subbase as required; and pouring and finishing of concrete sidewalk as required at each location. After the stripping of forms, each site shall be cleaned and restored to match all adjacent conditions, including topsoil and seeding as required. The unit price given by the bidder shall include all work and restoration described hereto, for this item.

Disposal of concrete and asphalt will be made to an NJDEP approved recycling facility. The Contractor shall notify the Recycle Facility to provide the County with appropriate credit for recycling.

New sidewalk shall meet existing sidewalk, at an existing or newly formed joint. The Contractor shall include the cost of all expansion joint materials in the unit prices.

Concrete for Concrete Sidewalks shall match existing concrete color and texture, Class B, 4500 psi, 6% air-entrained, unless otherwise specified.

Concrete sidewalks shall be constructed using approved separators. An expansion joint shall be placed at 12-foot intervals. A 4-inch layer of */-inch clean stone subbase* shall be placed immediately below the new concrete sidewalk. This 4-inch subbase shall be constructed in accordance with Section 301, except that payment will not be made for this layer. The preparation and compaction of the subbase shall be made part of the unit price bid for the Concrete Sidewalk item.

E. Expansion Joints

THIS SUB-SECTION PART E IS CHANGED AS FOLLOWS:

Expansion joints shall be ½-inch wide, placed at intervals of approximately <u>12 feet</u>, and shall be filled with preformed joint filler.

H. Protection and Curing

THE LAST SENTENCE IS CHANGED TO:

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

606.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

The Contractor shall include the cost of all sidewalk removal, excavation, material disposal, expansion joint material, reinforcement material (where necessary & directed by the Engineer), curing material, adjacent site restoration, and all other material necessary for the construction of various types of

sidewalk, in the cost of the various items which they are a part thereof. The unit price bid for these items shall include all work described heretofore for these items.

SECTION 607 - CURBS

607.01 DESCRIPTION

THE FOLLOWING IS ADDED:

These items shall consist of the removal and disposal of various types of curb, including concrete, combination curb & gutter; and or hot mix asphalt curb; excavation to the proper depth; setting forms as required; placing 6" stone base as required; and pouring and finishing of concrete curb and granite as required at each location, all in the process of constructing new curb. After the stripping of forms, each site will be cleaned and restored to match all adjacent conditions, including adjoining turf repair strips in accordance with Section 805.

607.03.02 Concrete Vertical Curb and Concrete Sloping Curb

C. Installing Joints

The following is added to this sub-Section:

Expansion joints shall be provided opposite joints in abutting concrete surface course and at approximately equal distances of not more than 10 feet between joints. Joints shall be filled with preformed expansion joint filler, ½ inch thick, which shall be flush with the top and face. Between concrete curbs and concrete surface or base course, ½-inch, preformed, expansion-joint filler shall be installed and the joint shall be sealed with hot-poured joint sealer.

All materials and equipment necessary to complete the type of curb installation described in Section 607.03.02, where necessary, will also be included in the overall payment for this Item.

D. Placing Concrete.

THE ENTIRE TEXT IS CHANGED TO:

Place concrete for vertical curb and sloping curb as specified in 607.03.01.D, except that consolidation may be achieved by hand spading or internal mechanical vibrators.

607.03.04 Concrete Vertical Curb and Concrete Sloping Curb, Dowelled

D. Placing Concrete.

THE ENTIRE TEXT IS CHANGED TO:

Place concrete for vertical and sloping curb as specified in 607.03.02.D.

607.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

The Contractor shall include the cost of all curb removal, concrete gutter removal, excavation, material disposal, expansion joint material, curing material, adjacent site restoration and dowels (where required) in the cost of the curbs. All materials, labor & equipment necessary to complete this work shall be included in the unit price bid for the curb item. The unit price bid for this item shall include all work described heretofore.

SECTION 651 - WATER

651.04 MEASUREMENT AND PAYMENT

THIS SUB-SECTION IS CHANGED AS FOLLOW:

The item *Reset Water Valve Box* shall not be measured, and no separate payment will be made. All costs shall be included in the various items of the proposal.

SECTION 653 - GAS

653.04 MEASUREMENT AND PAYMENT

THIS SUB-SECTION IS CHANGED AS FOLLOWS:

The item *Reset Gas Valve Box* shall not be measured, and no separate payment will be made. All costs shall be included in the various items of the proposal.

DIVISION 900 – MATERIALS

SECTION 902 - ASPHALT

902.01.01 Asphalt Binder

THE FIRST TWO PARAGRAPHS ARE CHANGED TO:

Use an asphalt binder that is storage-stable and conforms to AASHTO M 332. Include compliance with the elastic response requirement in Figure 1 of AASHTO R 92, if applicable.

902.02.01 Mix Designations

PART (4) IS CHANGED TO:

1. "E" The fourth field in the Item description designates the high temperature designation of the performance-graded binder. Options are "64" for PG 64S-22 and "E" for PG 64E-22.

902.02.03 Mix Design

THE FOLLOWING IS ADDED TO THE FIRST PARAGRAPH:

Unless otherwise approved by the Engineer, only one source of supply for hot mix asphalt surface course may be used on the project.

A General Acceptance Requirements.

THE SECOND PARAGRAPH OF SECTION (A) IS CHANGED TO:

For PG 64S-22, ensure that the temperature of the mixture at discharge from the plant or surge and storage bins is at least 290 °F when the ambient temperature is less than 50 °F or is at least 275 °F when the ambient temperature is greater than or equal to 50 °F. For PG 64E-22, ensure that the temperature of the mixture at discharge from the plant or surge and storage bins is at least 10 °F above the manufacturer's recommended laydown temperature. For mixes produced using a WMA additive or process, ensure that the temperature of the mixture at discharge from the plant or surge and storage bins is at least 10 °F above the WMA manufacturer's recommended laydown temperature.

902.02.04 SAMPLING AND TESTING

THE FOLLOWING SUBSECTION IS ADDED:

E. Acceptance of HMA. The Department may accept the HMA as specified in 902.02.04.A through 902-02.04, E by employing staff or an independent testing agency at the HMA plant during production. The inspector who performs the quality assurance sampling shall be certified by the Society of Asphalt Technologists of New Jersey as an Asphalt Plant Technologist, Level 2.

Alternatively, the Department may accept the HMA by Certification of Compliance according to 106.07.

END TECHNICAL SPECIFICATIONS

APPENDIX 1

State Funded Project Attachments

SMALL BUSINESS ENTERPRISE UTILIZATION ON WHOLLY STATE FUNDED PROJECTS

- A. Utilization of Small Business Enterprises Businesses as Subcontractors, Transaction Expeditors, Regular Dealers, Manufacturers and Truckers. The Department advises the Contractor and subcontractor that failure to carry out the requirements set forth in this attachment constitutes a material breach of Contract and, after notification to the applicable State agency, may result in termination of the agreement or Contract by the Department or such remedy as the Department deems appropriate. Requirements set forth in this section shall also be physically included in all subcontract agreements in accordance with State of New Jersey requirements.
- **B. Policy.** It is the policy of the Department that small businesses, as defined in N.J.A.C. 17:13-1.2 et seq. comprising a Small Business Enterprise (SBE) shall have the maximum opportunity to participate in the performance of contracts financed wholly with State funds. In this regard, the Department and all Contractors shall take all necessary and reasonable steps to ensure that registered Small Business Enterprises are utilized on, compete for, and perform on NJDOT construction contracts.

C. Definitions

1. Small Business Enterprise. A business which has its principal place of business in the State of New Jersey; is independently owned and operated; has no more than 100 full-time employees; has gross revenues that do not exceed the applicable Federal revenue standards referenced at N.J.A.C. 17:13-2.1 and satisfies any additional eligibility standards under this chapter.

Small businesses with no more than 100 full-time employees will be registered in one of the following three categories:

- a. Small business with gross revenues that do not exceed \$3 million.
- b. Small businesses with gross revenues that do not exceed 50 percent of the applicable annual revenue standards set forth in federal regulation at 13 CFR 121.201, incorporated herein by reference, and as may be adjusted periodically.
- c. Small business with gross revenues that do not exceed the applicable annual revenue standards set forth in federal regulation at 13 CFR 121.201, incorporated herein by reference, as may be adjusted periodically.

The business must be independently owned and operated, with management being responsible for both its daily and long-term operation, as well as owning at least 51 percent interest in the business.

Businesses must be incorporated or registered with the Division of Revenue & Enterprise Services to do business in the State and have its principal place of business in New Jersey, defined when:

- a. 51 percent or more of its employees work in New Jersey supported by paid New Jersey unemployment taxes or;
- b. 51 percent or more of its business operations/activities occur in New Jersey supported by income and/or business tax returns.
- c. The business must be a sole proprietorship, partnership, limited liability company or corporation with 100 or fewer employees in full-time positions, not including:
 - 1. Seasonal and part-time employees employed for less than 90 days, if seasonal and casual part-time employment are common to that industry and
 - Consultants employed under contracts for which the business wants to be eligible as a small business.
- 2. Commercially Useful Function (CUF). A SBE performs a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carrying out its responsibility by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the SBE must also be responsible, with respect to materials and supplies used on the contract, for preparing the estimate, negotiating price, determining quality and

- quantity, ordering the material, arranging delivery, installing (where applicable), and paying for the material and supplies itself for the project.
- 3. **Transaction expeditor (broker).** A SBE who arranges or expedites transactions and who arranges for material drop shipments.
- **4. SBE regular dealers.** A firm that must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. In addition, a regular dealer must own, operate, or maintain a store, warehouse, or other establishment in which the materials, supplies, articles, or equipment required under this Contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- **5. SBE manufacturer.** A firm that operates or maintains a factory or establishment that produces on the premises, the materials, supplies, articles, or equipment required for the Contract.
- 6. Good faith effort (GFE). Efforts to achieve a SBE goal or other requirement of N.J.A.C. 17:13 et seq. which by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program requirement. Efforts to include firms not certified as SBEs in the state where the contract is being let are consequently not good faith efforts to meet a SBE contract goal.
- D. Compliance. The Contractor is responsible for compliance as specified in Section 105.
- **E** Contractor SBE Goal Obligations. Ensure that SBEs have an equal opportunity to receive and participate in contracts and subcontracts financed in whole with State funds in performing work with the Department. Take all necessary and reasonable steps in accordance with the Contract to ensure that SBEs are given equal opportunity to compete for and to perform on the Department's wholly State funded projects. Do not discriminate in the award and performance of any Contract obligation including, but not limited to, performance of obligations on wholly State funded contracts, as specified in Section 107.
 - 1. Post Award Obligations
 - a. Give SBEs equal consideration with non-small business firms in negotiation for any subcontracts, purchase orders or leases.
 - b. Attempt to obtain qualified SBEs to perform the work. A directory of registered Small Businesses Enterprise firms can be found in the New Jersey Selective Assistance Vendor Information (NJSAVI) database online at: https://www20.state.nj.us/TYTR SAVI/vendorSearch.jsp
 - 2. Affirmative Action After Award of the Contract
 - **a. Subletting.** If at any time following the award of the Contract, the Contractor intends to sublet any portion(s) of the work under said Contract, or intends to purchase material or lease equipment not contemplated during preparation of bids, take affirmative action:
 - (1) Notify the RE, in writing, of the type and approximate value of the work which the Contractor intends to accomplish by such subcontract, purchase order or lease.
 - (2) Submit the Post-Award SBE Certification Form to the Regional Supervising Engineer with the application to sublet, or prior to purchasing material or leasing equipment. Obtain Post Award SBE Certification forms from the RE.
 - (3) Efforts made to identify and retain a SBE as a replacement subcontractor, lower tier subcontractor, transaction expeditor, regular dealer, supplier, manufacturer, or trucker when the arrangements with the original SBE prove unsuccessful, shall be followed as specified for SBE subcontractors in Section 108. Work in the category concerned shall not begin until such approval is granted in writing by the Department.
 - (4) Notification of a SBE subcontractor's termination will be the same as for SBE subcontractors, specified in Section 108. Send notice in writing to the Department through the RE, with a copy to DCR/AA. Said termination notice will include the firm's ethnic classification, whether the firm is a SBE and the detailed reason(s) for termination.
 - b. Selection and Retention of Subcontractors. Do not discriminate in the selection and retention of subcontractors, including procurement of materials and leases of equipment as specified in 108.01. Provide the RE with a listing of firms, organizations or enterprises solicited and those utilized as subcontractors on the proposed project. Such listing shall clearly delineate which

firms are classified as SBEs. Provide the RE with subcontract agreements for all subcontractors performing work on the Contract as specified in Section 108.

- (1) Efforts made to identify and retain a SBE as a replacement subcontractor, lower tier subcontractor, transaction expeditor, regular dealer, supplier, manufacturer, or trucker when the arrangements with the original SBE prove unsuccessful, shall be the same as for SBE subcontractors and submitted as specified in Section 108. Work in the category concerned shall not begin until such approval is granted in writing by the Department.
- (2) Notification of a SBE firm's termination will be as specified in Subsection 108.01. Send notice in writing to the Department through the RE. Said termination notice will include the firm's ethnic classification, whether the firm is a SBE and the detailed reason(s) for termination.
- c. Meeting Contract SBE Goal. Report attainment toward meeting the Contract SBE goal by submitting monthly, all SBE participation, to the Department's RE and DCR/AA Contract Compliance Unit using the CR-267 Monthly Report of Utilization of DBE/ESBE or SBE form. The form is due by the 5th of the month and must list all SBEs used on the Contract to meet the Contract goal, the specific Contract work items each SBE is performing, whether the SBE is performing full or partial work on the items, and the amount paid to each SBE each month. Failure to report the information, and accurately report it may result in payment being delayed or withheld as specified in Section 105, assessing sanctions, or termination of the Contract as specified in Section 108.
- Termination, Substitution or Replacement of SBEs. Make good faith efforts to replace a SBE that is terminated or has otherwise failed to complete its work on the Contract with another registered SBE, to the extent needed to meet the Contract SBE goal. Notify the DCR/AA immediately of the SBE's inability or unwillingness to perform and provide reasonable documented evidence. Prior to termination, substitution, or replacement of a SBE subcontractor, lower-tier subcontractor, transaction expeditor, regular dealer, supplier, manufacturer, or trucker, submit a Revised CR-266 - Schedule of DBE.ESBE/SBE Participation form to the Department naming the replacement SBE firm(s), type of work performed, specific Contract work items, whether the SBE is performing full or partial work on the items, dollar value and percent of total Contract for each SBE firm. Submit detailed written explanation of why each change is being made, including documented evidence of good faith effort(s) with the submission of the revised Form CR- 266. Submit along with the revised CR-266: 1) a completed Confirmation of SBE Firm (Form CR-273) to demonstrate direct written confirmation from each SBE firm participating on the Contract, confirming the kind and amount of work that was provided on the Contractor's CR-266, and if applicable; 2) a completed SBE Regular Dealer/Supplier Verification (Form CR-272) for all SBE Regular Dealers/Suppliers listed on the revised CR-266; and if applicable, 3) a completed SBE Trucking Verification (Form CR-274) for all SBE truckers listed on the revised CR-266 form. The Contractor is not permitted to complete any portion of the CR-273, CR-272 or CR-274 forms. Termination, substitution, or replacement of SBEs shall be made as specified in Section 108. Termination or replacement of SBE cannot be made without prior written approval of the Department as per Section 108.
- e. Submission of Good Faith Effort Documentation. If the Contractor is unable to meet the Contract goal for SBE participation, submit to the DCR/AA for review and approval, documented evidence of good faith efforts along with the monthly CR-267 form. This submission must include written details addressing each of the good faith efforts outlined in the Contract. Submittal of such information does not imply DCR/AA approval.
- **F. SBE Goals for this Contract.** This Contract includes a goal of awarding 0 percentage of the Total Contract Price to subcontractors qualifying as SBEs.

NOTE: SUBCONTRACTING GOALS ARE NOT APPLICABLE IF THE PRIME CONTRACTOR IS A REGISTERED SMALL BUSINESS ENTERPRISE (SBE) FIRM.

The Department's DCR/AA has sole authority to determine whether the Contractor met the Contract goal or made adequate good faith efforts to do so. If the DCR/AA determines that the Contractor has failed to

meet the Contract SBE goal or made adequate good faith efforts to do so, the Department will follow Section 105.

G. Counting SBE Participation.

- 1. Each SBE is subject to a registration procedure to ensure its SBE eligibility status prior to the award of Contract. All SBEs working on the Contract must be registered SBEs. Only Small Business Enterprises registered prior to the date of bid, or prospective Small Business Enterprises that have submitted to the New Jersey Commerce and Economic Growth Commission on or before the day of bid, a completed "State of New Jersey Small Business Vendor Registration Form" and all the required support documentation, will be considered in determining whether the Contractor has met the established Contract SBE goal. Early submission of required documentation is encouraged.
- 2. The Department determines the percentage of SBE participation that will be counted toward the Contract SBE goal. Once a firm is determined to be a bona fide SBE by the New Jersey Commerce and Growth Commission, the total dollar value of the contract awarded to the SBE is counted toward the applicable goal.
- 3. The Contractor will count SBE participation toward the Contract SBE goal only the value of the work actually performed by a SBE when that SBE performs a commercially useful function in the work of a contract as per Section H of this Special Provision Attachment.
- 4. If a Contractor is part of a Joint Venture and one or more of the Sole Proprietorships, Partnerships, Limited Liability companies or Corporations comprising the Joint Venture is a registered SBE, the actual payments made to the Joint Venture for work performed by the SBE member, will be applied toward the Contract SBE goal. Payments made to the Joint Venture for work performed by a non-small business firm will not be applied toward the Contract SBE goal.
- 5. If the Contractor is a registered SBE, payments made to the Contractor for work that the Contractor is registered to perform and performed by the Contractor will be applied toward the Contract SBE goal. Payments made to the Contractor for work performed by non-SBEs will not be applied toward the Contract SBE goal.
- 6. When a SBE subcontracts part of the work of its contract to another firm, the value of the subcontracted work may be counted towards the SBE goal only if the subcontractor itself is an SBE. Work that a SBE subcontracts to a non-SBE firm does not count toward the Contract SBE goal.

H. Commercially Useful Function

- 1. Performance of Work. The SBE must perform the work with their own permanent employees, or employees recruited through traditional recruitment and/or employment centers. SBEs must employ and control their own workforce, and cannot share employees with the Contractor, other subcontractors on the present project, or the renter-lessor of equipment being used on the present project. The SBE firm must be responsible for all payroll and labor compliance requirements for all of their employees performing work on the Contract. Direct or indirect payments by any other contractor are not allowed.
- 2. Managing Work. The SBE must manage the work themselves including the scheduling of work operations, ordering of equipment and materials, hiring/firing of employees, including supervisory employees, and preparing and submitting certified payrolls. The SBE must supervise their portion of daily work operations of the project. With respect to materials and supplies used on the Contract, the SBE must be responsible for preparing the estimate, negotiating price, determining quantity and quality, ordering the material, arranging delivery, installing, (where applicable), and paying for the material and supplies for the project.
- 3. Responsibility of Work. A SBE must perform or exercise responsibility for at least 30 percent of the total cost of its contract with its own workforce. The SBE must not subcontract a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved.
- 4. Equipment of SBE. The SBE must perform the work stated in the subcontract with their own equipment, whether owned or leased and operated on a long-term agreement, not an ad hoc or contract by contract agreement. The equipment must be owned by the SBE firm or leased/rented from traditional equipment lease/rental sources. The equipment will not belong to the Contractor, any

other subcontractor or lower tier subcontractors on the current project, or supplier of materials being installed by the SBE firm.

- 5. Lease of Equipment. A SBE firm may lease specialized equipment from a contractor, but not from the Contractor, if it is consistent with normal industry practices and at rates competitive for the area. Rental agreements must be for short periods of time, specify the terms of the agreement and involve specialty equipment to be used at the job site. The lease may allow the operator to remain on the lessor's payroll if it is the generally accepted industry practice, but the operation of the equipment must be subject to full control by the SBE. The SBE shall provide the operator for non-specialized equipment and is responsible for all payroll and labor compliance requirements. A separate lease agreement is required.
- **6. SBE Trucking.** SBE trucking companies must perform a commercially useful function. Contrived arrangements for the purpose of meeting SBE goals will not be allowed. The SBE must be responsible for the management and supervision of the entire trucking operation on a contract-by-contract basis, and must own and operate at least one fully, licensed, insured, and operational truck used on the Contract.

The SBE trucking firm is not permitted to obtain trucks from the Contractor to perform work on the project. The SBE may lease trucks from a subcontractor working on the project, provided the trucks are obtained from the subcontractor prior to the project letting. Bona fide lease agreements must be for the length of time needed by the SBE on the Contract and signed by both the SBE and the firm(s), either certified SBE or non-SBE, from which the trucks will be leased. Leases must indicate that the SBE has exclusive use and control over the truck. All leased trucks must display the name and USDOT identification number issued for interstate commerce, of the SBE firm, on the outside of the truck. SBE firms are expected to use the same trucks for SBE credit on all projects so use of leased vehicles on a project-by-project basis is not permitted.

The Contractor shall have signed Hiring Agreements. Submit copies of these signed Hiring Agreements, and copies of all signed lease agreements to the RE prior to the trucking firm's commencing work on the project. Prior to the SBE trucking firm beginning work on the Contract, SBE Trucking firms will be required to complete the SBE Trucking Verification (Form CR-274). The SBE and Contractor must sign the form and the Contractor submit the original CR-274 form directly to the Department's RE, with a copy submitted to the DCR/AA. The Contractor is not permitted to complete any portion of the CR-274 form. The Contractor must prepare, sign and submit along with the CR-267 – Monthly Report of Utilization of DBE/ESBE or SBE form, a Monthly Trucking Verification form (CR-271), identifying each truck owner, SBE Certification number, company name and address, truck number, and commission or amount paid for all SBE and non-SBE truckers performing work on the project. Also, submit the form to the Department as per Section E of this Special Provision for the DCR/AA's review, approval, and determination of credit toward the Contract goal. Failure to submit the forms may result in denial or limit of credit toward the Contract SBE goal, payment being delayed or withheld as specified in Section 105, assessing sanctions or termination of the Contract as specified in Section 108.

- 7. SBE Regular Dealers. SBE regular dealers must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. In addition, a regular dealer must own, operate, or maintain a store, warehouse, or other establishment in which the materials, supplies, articles, or equipment of the general character described by the specifications and required under this Contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- **8. SBE Manufacturers.** SBE manufacturers must be a firm that operates or maintains a factory or establishment that produces on the premises, the materials, supplies, articles, or equipment required for this Contract.
- **9.** The Contractor shall not use a SBE solely for the purpose of acting as an extra participant in a transaction, a contract or the Contract through which funds are passed in order to obtain the appearance of SBE participation.

- I. Good Faith Effort. To demonstrate good faith efforts to meet the Contract SBE goal, a Contractor shall, on an ongoing basis, adequately document the steps it takes to obtain SBE participation, including but not limited to the following:
 - 1. Conducting market research to identify qualified potential small business subcontractors and suppliers and soliciting through all reasonable and available means, the interest of registered SBEs that have the capability to perform the work of the Contract. This may include attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, written notices, or emails to all registered SBEs listed in the New Jersey Selective Assistance Vendor Information (NJSAVI) database that specialize in the areas of work desired (as noted in SAVI) and which are located in the area or surrounding areas of the project.
 - Solicit this interest as early in the acquisition process as practicable to allow the SBEs to respond to the solicitation and submit a timely offer for the subcontract. Determine with certainty if the SBEs are interested by taking appropriate steps to follow up initial solicitations.
 - Request a listing of small businesses from the New Jersey Department of the Treasury, Division of Property Management and Construction if none are known to the Contractor
 - 2. Selecting portions of the work to be performed by SBEs in order to increase the likelihood that the SBE goals will be achieved. This includes, where appropriate, breaking out Contract work items into economically feasible units (for example, smaller tasks or quantities) to facilitate SBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates SBE participation.
 - Providing all potential SBE subcontractors with detailed information about the plans, specifications, and requirements of the Contract in a timely manner to assist them in responding to a solicitation with their offer for the subcontract. Attempt to contact all potential subcontractors on the same day and use similar methods to contact them.
 - 4. Negotiating in good faith with interested SBEs. Make a portion of the work available to SBE subcontractors and suppliers and select those portions of the work or material needs consistent with the available SBE subcontractors and suppliers, so as to facilitate SBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of SBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional Agreements could not be reached for SBEs to perform the work.
 - Consider a number of factors in negotiating with subcontractors, including SBE subcontractors. Take a firm's price and capabilities as well as Contract goals into consideration. The fact that there may be some additional costs involved in finding and using SBEs is not in itself sufficient reason for failure to meet the Contract SBE goal, as long as such costs are reasonable. The ability or desire of a Contractor to perform the work of a Contract with its own organization does not relieve the responsibility to make good faith efforts. Contractors are not, however, required to accept higher quotes from SBEs if the price difference is excessive or unreasonable.
 - 5. Not rejecting SBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union status) are not legitimate causes for the rejection or non-solicitation of bids in the Contractor's efforts to meet the Contract SBE goal. Another practice considered an insufficient good faith effort is the rejection of the SBE because its quotation for the work was not the lowest received. However, nothing in this paragraph shall be construed to require the Bidder to accept unreasonable quotes in order to satisfy the Contract SBE goal.
 - Inability to find a replacement SBE at the original price is not alone sufficient to support a finding that good faith efforts have been made to replace the original SBE. The fact that the Contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the Contractor

of the obligation to make good faith efforts to find a replacement SBE, and it is not a sound basis for rejecting a prospective replacement SBE's reasonable quote. Attempt, wherever possible, to negotiate prices with potential subcontractors which submitted higher than acceptable price quotes.

Keep a record of efforts, including the names of businesses contacted and the means and results of such contacts.

- 6. Making efforts to assist interested SBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
- Making efforts to assist interested SBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

If the Contractor fails to meet the Contract SBE goal, they must submit documented evidence of good faith effort(s) to meet the goal with the CR-268 final SBE Report to the DCR/AA for review and approval. Submittal of such information does not imply DCR/AA approval. The Department's DCR/AA has sole authority to determine whether the Contractor met the Contract SBE goal or made adequate good faith efforts to do so. If the DCR/AA determines that the Contractor has failed to meet the Contract SBE goal or made adequate good faith effort to do so, the Department will follow Section 105.

J. Submission of Affirmative Action Program

Contractors, subcontractors, and professional service firms performing work for the Department are required to submit their company's Affirmative Action Program annually to the DCR/AA. Contractors must have an **approved** Affirmative Action Program on file in the DCR/AA no later than seven (7) State business days after the date of bid opening. No recommendations to award will be made without an approved Affirmative Action Program on file in the DCR/AA. Ensure subcontractors and professional service firms have an approved Affirmative Action Plan on file in the DCR/AA prior to their beginning work on a particular project.

The Annual Affirmative Action Program will include, but is not limited to the following:

- 1. Copy of company's comprehensive EEO/Affirmative Action Plan, with a cover page that includes the company name and address, and signature of the Chief Executive or EEO Officer.
- 2. Copy of document designating the company's corporate EEO Officer, including the name, address and contact telephone number for the officer, and signature of the Chief Executive or President, on company letterhead.
- 3. Copy of the company's EEO Policy Statement on company letterhead, dated and signed by the Chief Executive and the EEO Officer.
- 4. Copy of the company's Sexual Harassment Policy on company letterhead.
- 5. EEO Legend such as letterhead, envelope, or published advertisement showing the company is an equal opportunity employer.
- 6. Copy of document designating the company's SBE Liaison Officer to administer the firm's Small Business Program.
- 7. SBE Affirmative Action Plan which is an explanation of affirmative action methods intended to be used to seek out and consider SBEs as subcontractors, material suppliers or equipment lessors. This refers to the Contractor's ongoing responsibility, i.e., Small Business Enterprise/Affirmative Action activities after the award of the Contract and for the duration of the Contract.
- **K. SBE Liaison Officer.** Designate a SBE Liaison Officer who shall be responsible for the administration of your SBE program in accordance with the Contract and ensuring that the Contractor complies with all provisions of the SBE Program.
- L. Consent by Department to Subletting. The Department will not approve any subcontract proposed by the Contractor unless and until said Contractor has complied with the terms of the Contract.
- **M.** Conciliation. In cases of alleged discrimination regarding these and all equal employment opportunity provisions and guidelines, investigations and conciliation will be undertaken by the DCR/AA.
- N. Documentation

- Requiring of Information. The Department or the State funding agencies may at any time require
 information as specified in Subsection 107.02 and deemed necessary in the judgment of the
 Department to ascertain the compliance of any Bidder, Contractor, or subcontractor with the terms of
 the Contract.
- 2. Record and Reports. The Contractor, subcontractors and other sub-recipients will keep such records as are necessary to determine compliance with its SBE obligations. These records kept will be designed to indicate:
 - a. The names of SBE contractors, subcontractors, transaction expeditors and material suppliers contacted for work on the Contract, including when and how contacted, and the specific Contract work items and other information provided to each.
 - b. Work, services, and materials which are not performed or supplied by the Contractor.
 - c. The actual dollar value of work subcontracted and awarded to SBEs, including specific Contract work items and cost of each work item.
 - d. The progress being made, and efforts taken in seeking out and utilizing SBEs to include: solicitations, specific Contract work items and the quotes and bids regarding those specific Contract work items, supplies, leases, or other contract items, etc.
 - e. Detailed written documentation of all correspondence, contacts, telephone calls, etc., including names and dates/times, to obtain the services of SBEs on the Contract.
 - f. Records of all SBEs and non-SBEs who have submitted quotes/bids to the Contractor on the Contract.
 - g. Monthly CR-267 Monthly Report, Utilization of DBE/ESBE or SBE, and other reports required for submission to the Department, hiring agreements, subcontracts, lease agreements, equipment rental agreements, supply tickets, delivery slips, payment information, and other records documenting SBE utilization on the Contract.
 - h. Documentation outlining EEO workforce information for the Contract.
 - i. Documentation outlining EEO and Affirmative Action efforts made in the administration and performance of the Contract.
- 3. Submission of Reports, Forms and Documentation. Submit reports, forms, and documentation, as required by the Department, on those contracts and other business transactions executed with SBEs in such form and manner as may be prescribed by the Department. Failure to submit the required forms, reports or other documentation as required may result in payment being delayed or withheld as specified in Section 105, assessing sanctions, or termination of the contract as specified in Section 108. Submission of falsified forms, reports, or other required documentation may result in termination of the Contract as specified in Section 108, investigation by the Department's Inspector General, and prosecution by the State Attorney General's Office.
- **4. Maintaining Records.** All records must be maintained for a period of three (3) years following acceptance of final payment and will be available for inspection by the Department, or the State funding agencies.
- **O. Prompt Payment to Subcontractors.** Payment to subcontractors, equipment lessors, suppliers, and manufacturers is made in accordance with Section 109.
- P. Non-Compliance. Failure by the Contractor to comply with the SBE program, rules, and regulations in the administration of the Contract may result in denial or limit of credit toward the Contract SBE goal, payment being delayed or withheld as specified in Section 105, assessing sanctions, liquidated damages as specified in Section 108, default as specified in Section 108, debarment, or termination of the Contract as specified in Section 108. The Contractor may further be declared ineligible for future Department contracts.

STATE OF NEW JERSEY EQUAL EMPLOYMENT OPPORTUNITY SPECIAL PROVISIONS FOR WHOLLY STATE FUNDED PROJECTS

A. General. It is the policy of the New Jersey Department of Transportation (hereafter "NJDOT") that its contracts should create a workforce that reflects the diversity of the State of New Jersey. Therefore, contractors engaged by the Department to perform under a construction contract shall put forth a good faith effort to engage in recruitment and employment practices that further the goal of fostering equal opportunities to minorities and women.

The Contractor must demonstrate to the Department's satisfaction that a good faith effort was made to ensure that minorities and women have been afforded equal opportunity to gain employment under the Department's contract with the Contractor. Payment may be withheld from a Contractor's contract for failure to comply with these provisions.

Evidence of a "good faith effort" includes, but is not limited to:

- 1. The Contractor shall recruit prospective employees through the New Jersey career connections website, managed by the Department of Labor and Workforce Development, available online at http://careerconnections.nj.gov/careerconnections/for-businesses.shtml
- 2. The Contractor shall keep detailed documented evidence of its efforts, including records of all individuals interviewed and hired, including the specific numbers of minorities and women;
- The Contractor shall actively solicit and shall provide the Department with proof of solicitations for employment, including but not limited to advertisements in general circulation media, professional service publications and electronic media;
- 4. The Contractor shall provide evidence of efforts described at 2 above to the Department no less frequently than once every 12 months; and
- 5. The Contractor shall comply with the requirements set forth at N.J.A.C. 17:27-1.1 et seq.

The Contractor is required to implement and maintain a specific Affirmative Action Compliance Program of Equal Employment Opportunity in support of the New Jersey "Law Against Discrimination", N.J.S.A. 10:5-31 et seq., and according to the Affirmative Action Regulations set forth at N.J.A.C. 17:27-1.1 et seq.

The provisions of N.J.S.A. 10:2-1 through 10:2-4 and N.J.S.A. 10:5-31 et seq., as amended and supplemented) dealing with discrimination in employment on public contracts, and the rules and regulations promulgated pursuant thereunto, are hereby made a part of this contract and are binding upon the Contractor.

Noncompliance by the Contractor with the requirements of the Affirmative Action program for Equal Employment Opportunity may be cause for delaying or withholding monthly and final payments pending corrective and appropriate measures by the Contractor to the satisfaction of the Department.

The Contractor will cooperate with the State agencies in carrying out its Equal Employment Opportunity obligations and in their review of its activities under the contract.

The Contractor and all its subcontractors, not including material suppliers, holding subcontracts of \$2,500 or more, will comply with the following minimum specific requirement activities of Equal Opportunity and Affirmative Action set forth in these special provisions. The Contractor will include the following mandatory equal employment opportunity language in every subcontract of \$2,500 or more with such modification of language in the provisions of such contracts as is necessary to make them binding on the subcontractor.

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

1. 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. 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, veteran's status, disability, nationality, or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance 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.
- 3. 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.
- 4. 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.
- 5. 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program, 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program is satisfied that the Contractor or subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program, 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:
 - 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. seg., 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 sub-contractor 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program, 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 Contactor 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program. 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 6(i) above, whenever vacancies occur. At the request of the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program, 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program.
- (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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program and submitted promptly to the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program 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 apprentice-ship 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.

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.

The Contractor and its subcontractors shall furnish such reports or other documents to the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program as may be requested by the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program 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 NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq..

The Contractor agrees to cooperate with the public agency in the payment of budgeted funds, as is necessary, for on-the-job and off-the-job programs for outreach and training of minority and female trainees employed on the construction projects.

- **B.** Equal Employment Opportunity Policy. The Contractor agrees that it will accept and implement during the performance of this contract as its operating policy the following statement which is designed to further the provision of Equal Employment Opportunity to all persons 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 and to promote the full realization of Equal Employment Opportunity through a positive continuing program:
 - "It is the policy of this company that it 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 and that it will take Affirmative Action to ensure that applicants are recruited and employed and that employees are treated during employment without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship."
- **C.** Equal Employment Opportunity Officer. Designate and make known to the Department's contracting officers, an Equal Employment Opportunity Officer (hereafter "EEO Officer") who will have the responsibility for and must be capable of effectively administering and promoting an active Equal Employment Opportunity program and be assigned adequate authority and responsibility to do so.
- D. Dissemination of Policy.
 - 1. Implementation. All members of the Contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, will be made fully cognizant of, and will implement, the Contractor's Equal Employment Opportunity Policy and contractual responsibilities to provide Equal Employment Opportunity in each grade and classification of

employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

- a. Initial Project Site Meeting. Conduct an initial project site meeting with supervisory and personnel office employees before the start of work and then not less often than once every 6 months, at which time the Contractor's Equal Employment Opportunity Policy and its implementation will be reviewed and explained. The EEO Officer will conduct the meetings.
- **b. EEO Obligations.** Give all new supervisory or personnel office employees a thorough indoctrination by the EEO Officer covering all major aspects of the Contractor's Equal Employment Opportunity obligations within 30 days following their reporting for duty with the Contractor
- **c.** All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the Contractor's procedures for locating and hiring minority and women workers.
- 2. Take the following actions in order to make the Contractor's Equal Employment Opportunity Policy known to all employees, prospective employees, and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc.
 - a. Place notices and posters setting forth in the Contractor's Equal Employment Opportunity policy, as set forth in Section 2 of these Equal Employment Opportunity Special Provisions in conspicuous places readily accessible to employees, applicants for employment and potential employees.
 - b. Bring the Contractor's Equal Employment Opportunity Policy and the procedures to implement such policy to the attention of employees by means of meetings, employee handbooks, or other appropriate channels.

E. Recruitment

- 1. In all solicitations and advertisements for employees placed by or on behalf of the Contractor, the Contractor will 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, veteran's status, disability, nationality, or sex. All such advertisements will be published in newspapers or other publications having a large circulation among minorities and women in the area from which the project workforce would normally be derived.
- 2. Unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority and women applicants, including, but not limited to state employment agencies, schools, colleges and minority and women organizations. Through their EEO Officer, identify sources of potential minority and women employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the Contractor for employment consideration.
- 3. In the event the Contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the Contractor's compliance with Equal Employment Opportunity contract provisions. (The US Department of Labor has held that where implementations of such agreements have the effect of discriminating against minorities or women, or obligates the Contractor to do the same; such implementation violates Executive Order 11246, as amended).
- 4. In the event that the process of referrals established by such a bargaining agreement fails to provide the Contractor with a sufficient number of minority and women referrals within the time period set forth in such an agreement, the Contractor shall comply with the provisions of "Section I Unions" of this "State Of New Jersey Equal Employment Opportunity Special Provisions for Wholly State Funded Projects" Attachment.
- **F. Personnel Actions.** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to age, race, color, creed, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, veterans' status, disability, nationality, or sex. The following procedures shall be followed:

- 1. Conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- 2. Periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- Periodically review selected personnel actions in-depth to determine whether there is evidence of discrimination. Where evidence is found, the Contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- 4. Promptly investigate all complaints of alleged discrimination made to the Contractor in connection with his/her obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the Contractor will inform every complainant of all of their avenues of appeal.

G. Training and Promotions.

- 1. Assist in locating, qualifying, and increasing the skills of minority group and women workers, and applicants for employment.
- Consistent with the Contractor's workforce requirements and as permissible under State regulations, make full use of training programs, i.e., apprenticeship, and on-the-job training programs, for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.
- 3. Advise employees and applicants for employment of available training programs and entrance requirements for each.
- 4. Periodically review the training and promotion potential of minority group and women workers and encourage eligible employees to apply for such training and promotion.
- H. Unions. If the Contractor relies in whole or in part upon unions as a source of employees, the Contractor will use their good faith efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and women workers. Actions by the Contractor either directly or through a Contractor's association acting, as agent will include the procedures set forth below:
 - 1. The Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract of understanding, a notice advising the labor union or workers' representative of the Contractor's commitments under both the law against discrimination and this contract and shall post copies of the notice in conspicuous places readily accessible to employees and applicants for employment. Further, the notice will request assurance from the union or worker's representative that such union or worker's representative will cooperate with the Contractor in complying with the Contractor's Equal Employment Opportunity and Affirmative Action obligations.
 - 2. The Contractor will use their best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.
 - 3. The Contractor will use their best efforts to incorporate an Equal Employment Opportunity clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their age, race, color, creed, sex, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, or nationality.
 - 4. The Contractor is to obtain information as to the referral practices and policies of the labor union except to the extent that such information is within the exclusive possession of the labor union and such labor unions refuse to furnish this information to the Contractor, certify to the Department and shall set forth what efforts have been made to obtain this information.
 - 5. In the event the union is unable to provide the Contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the Contractor will, through independent recruitment efforts, fill the employment vacancies without regard to age, race, color, creed, sex, national origin, ancestry, marital status, affectional or sexual orientation,

gender identity or expression, disability, or nationality making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The US Department of Labor has held that it shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees). In the event the union referral practice prevents the Contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these Special Provisions, such Contractor shall immediately notify the Department.

Subcontracting. The Contractor will use his best efforts to solicit bids from and to utilize minority group and women subcontractors or subcontractors with meaningful minority group and women representation among their employees. Contractors may use lists of minority owned and women owned construction firms as issued by the NJDOT and/or the New Jersey Unified Certification Program (NJUCP).

Ensure subcontractor compliance with the Contract's Equal Employment Opportunity obligations.

J. Records and Reports

- 1. Keep such records as are necessary to determine compliance with the Contractor's Equal Employment Opportunity obligations. Records kept will be designed to indicate:
 - a. The work hours of minority and non-minority group members and women employed in each work classification on the project;
 - b. The progress and efforts being made in cooperation with unions to increase employment opportunities for minorities and women (applicable only to Contractors who rely in whole or in part on unions as a source of their workforce);
 - c. The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and women workers; and
 - d. The progress and efforts being made in securing the services of minority group and women subcontractors or subcontractors with meaningful minority and women representation among their employees.
- All such records must be retained for a period of five (5) years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the NJDOT.
- Submit monthly reports to the NJDOT after construction begins for the duration of the project, indicating the work hours of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on a form supplied by the NJDOT.

REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY ON WHOLLY STATE FUNDED PROJECTS

A. Minority and Women Employment Goal Obligations. The Department has established, pursuant to N.J.A.C. 17:27-7.2, the minority and women goals for each construction contractor and subcontractor based on availability statistics as reported by the New Jersey Department of Labor, Division of Planning and Research, in its report, "EEO Tabulation - Detailed Occupations by Race/Hispanic Groups." The goals for minority and women participation, in the covered area, expressed in percentage terms for the Contractor's aggregate work force in each trade, on all construction work are:

Minority and Women Er Contractors and Subc	nployment Goal Obliga ontractors on Wholly S	
County	Minority % Participation Percent	Women % Participation Percent
Atlantic	18	6.9
Bergen	22	6.9
Burlington	15	6.9
Camden	19	6.9
Cape May	5	6.9
Cumberland	27	6.9
Essex	53	6.9
Gloucester	9	6.9
Hudson	60	6.9
Hunterdon	3	6.9
Mercer	30	6.9
Middlesex	24	6.9
Monmouth	15	6.9
Morris	16	6.9
Ocean	7	6.9
Passaic	36	6.9
Salem	10	6.9
Somerset	20	6.9
Sussex	4	6.9
Union	45	6.9
Warren	5	6.9

The NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program has interpreted Section 7.2 of the State of New Jersey Affirmative Action Regulations as applicable to work hour goals for minority and women participation.

If a project is located in more than one county, the minority work hour goal will be determined by the county which serves as the primary source of hiring or, if workers are obtained equally from one or more counties, the single minority goal shall be the average of the individual goal for the affected counties.

The NJ State Department of Labor and Workforce Development, Construction EEO Monitoring Program may designate a regional goal for minority membership for a union that has regional jurisdiction. No regional goals shall apply to this project unless specifically designated elsewhere herein.

When hiring workers in the construction trade, the Contractor and/or subcontractor agree to attempt, in good faith, to employ minority and women workers in each construction trade, consistent with the applicable county or, in special cases, regional goals.

It is understood that the goals are not quotas. If the Contractor or subcontractor has attempted, in good faith, to satisfy the applicable goals, they will have complied with their obligations under these EEO Special Provisions. It is further understood that if the Contractor shall fail to attain the goals applicable to this project, it will be the Contractor's obligation to establish to the satisfaction of the Department that it has made a good faith effort to satisfy such goals. The Contractor or subcontractor agrees that a good faith effort to achieve the goals set forth in these special provisions shall include compliance with the following procedures:

- B. Requests for Referrals from Unions to Meet Contract Workforce Goals. Requests shall be made by the Contractor or subcontractor to each union or collective bargaining unit with which the Contractor or subcontractor has a referral agreement or arrangement for the referral of minority and women workers to fill job openings. Requests shall also be made for assurances for the referral of minority and women workers to fill job openings. Requests shall also be made for assurances from such unions or collective bargaining units that they will cooperate with the Contractor or subcontractor in fulfilling the Affirmative Action obligations of the Contractor or subcontractor under this contract. Such requests shall be made prior to the commencement of construction under the contract.
 - 1. The Contractor and its subcontractors shall comply with Section I, Unions of these EEO Special Provisions and, in particular, with Section I, Paragraph D, if the referral process established in any collective bargaining arrangement is failing to provide the Contractor or subcontractor with a sufficient number of minority and women referrals.
 - 2. The Contractor and its subcontractors shall notify the Department's Compliance Officer, the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program and at least one approved minority referral organization of the Contractor's or subcontractors work force needs and of the Contractor's or subcontractor's desire for assistance in attaining the goals set forth herein. The notifications should include a request for referral of minority and women workers.
 - 3. The Contractor and its subcontractors shall notify the Department's Compliance Officer and the NJ Department of Labor and Workforce Development, Construction EEO Monitoring Program in the event that a union or collective bargaining unit is not making sufficient minority and women referrals to enable the Contractor or subcontractor to attain the workforce goals for the Contract.
 - 4. The Contractor and its subcontractors shall make standing requests to all local construction unions, the State's training and employment service and other approved referral sources for additional referrals of minority and women workers until such time as the project workforce is consistent with the work hour goals for the Contract.
- **C.** In the event that it is necessary to lay off some of the workers in a given trade on the construction site, the Contractor and its subcontractors shall ensure that fair layoff practices are followed regarding minority, women and other workers.
- **D**. Comply with the other requirements of these EEO Special Provisions.
- **E**. Reporting Requirements.
 - 1. Directly provide the NJ Department of Labor and Workforce Development, Office of Diversity Compliance, Construction Contract Compliance Unit with workforce data for the Contract.
 - After notification of award, but prior to signing the Contract, submit to the Department and the Department of Labor and Workforce Development, Construction EEO Monitoring Program an AA-201 – Initial Project Workforce Report Construction form in accordance with

N.J.A.C. 17:27-7. Also, submit the information within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the Contract. This form is available online at the New Jersey Department of the Treasure's website at:

https://www.nj.gov/treasury/contract_compliance/documents/pdf/forms/aa202.pdf.

Instructions for completing the form can be found online at: https://www.nj.gov/treasury/contract_compliance/documents/pdf/forms/aa201ins.pdf.

- b. Monthly, complete and submit an AA 202 Monthly Project Workforce Report Construction form for the duration of the Contract. This form may be completed:
 - (1) Manually and mailed to the Department of Labor & Workforce Development, Construction & EEO Monitoring Program, P.O. Box 209, Trenton, NJ 08625-0209, or:
 - (2) Input electronically directly onto the AA-202 form via the Department of the Treasury's Premier Business Services Online Forms web application. Information about how to register and access the Premier Business Services web application can be found at: https://www.nj.gov/treasury/contract_compliance/documents/pdf/PBS-Introduction-Page.pdf. Follow all instructions to set up online access to the web application.
 - (3) Submit a printed copy of the AA-202 form to the Department along with the hard copy of the CC-257R and confirmation e-mail of the successful submission of Monthly Employment Utilization Report.
- 2. Directly provide the Department with employment workforce data of the number and work hours of minority and non-minority group members and women employed in each work classification for the Contract. The Contractor, subcontractors, professional service firms and others working on the project must submit this information via a web-based application through the New Jersey portal, Vendor Workforce Reporting Manager. Instructions on how to complete Form CC-257R are provided within the web application. Instructions for registering and receiving the authentication code to access the web based application can be found at the Contractor Manpower Project Reporting CC-257R website at: https://www.nj.gov/transportation/business/civilrights/pdf/CC257R.pdf.
 - a. On a monthly basis, submit Form CC-257R through the web-based application within 10 days following the end of each reporting month.
 - b. In addition to the above, submit a hard copy of the electronic Form CC-257R to the RE within 10 days following the end of each reporting month.
 - c. Submit a copy of the confirmation e-mail of the successful submission of Monthly Employment Utilization Report to the RE within 10 days following the end of each reporting month.
- 3. All employment data must be accurate and consistent with certified payroll records. The Contractor is responsible for ensuring compliance with these reporting requirements. Failure of the Contractor, subcontractors, professional service firms and others working on the Contract to report monthly employment and wage data may result in payments being delayed or withheld as per 105.01, or impact the Contractor's prequalification rating with the Department.

INVESTIGATING, REPORTING AND RESOLVING EMPLOYMENT DISCRIMINATION AND SEXUAL HARASSMENT COMPLAINTS ON WHOLLY STATE FUNDED PROJECTS

The Contractor hereby agrees to the following requirements in order to implement fully the nondiscrimination provisions of the Supplemental Specifications:

The Contractor agrees that in instances when it receives from any person working on the project site a verbal or written complaint of employment discrimination, prohibited under N.J.S.A. 10:5-1 et seq. 10:2-1 et seq., 42 U.S.C. 2000 (d) et seq., 42 U.S.C. 2000(e) et seq. and Executive Order 11246, it shall take the following actions:

- A. Within one (1) working day commence an investigation of the complaint, which will include but not be limited to interviewing the complainant, the respondent, and all possible witnesses to the alleged act or acts of discrimination or sexual harassment.
- B. Prepare and keep for its use and file a detailed written investigation report which includes the following information:
 - Investigatory activities and findings.
 - 2. Dates and parties involved and activities involved in resolving the complaint.
 - Resolution and corrective action taken if discrimination or sexual harassment is found to have taken place.
 - 4. A signed copy of resolution of complaint by complainant and Contractor.

(In addition to keeping in its files the above-noted detailed written investigative report, the Contractor shall keep for possible future review by the Department, all other records, including, but not limited to, interview memos and statements.)

- C. Upon the request of the Department, provides to the Department within ten (10) calendar days a copy of its detailed written investigative report and all other records on the complaint investigation and resolution.
- D. Take appropriate disciplinary actions against any Contractor employee, official or agent who has committed acts of discrimination or sexual harassment against any Contractor employee or person working on the project. If the person committing the discrimination is a subcontractor employee, then the Contractor is required to attempt to effectuate corrective and/or disciplinary action by the subcontractor in order to establish compliance with the Contract.
- E. Take appropriate disciplinary action against any Contractor employee, official or agent who retaliates, coerces or intimidates any complainant and/or person who provides information or assistance to any investigation of complaints of discrimination or sexual harassment. If the person retaliating, coercing or intimidating a complainant or other person assisting in an investigation is a subcontractor's employee, then the Contractor is required to attempt to effectuate corrective and/or disciplinary action taken by the subcontractor in order to establish compliance with the Contract.
- F. Ensure to the maximum extent possible that the privacy interests of all persons who give confidential information in aid of the Contractor's employment discrimination investigation are protected.
- G. In conjunction with the above requirements, the Contractor herein agrees to develop and post a written sexual harassment policy for its workforce.
- H. The Contractor also agrees that its failure to comply with the above requirements may be cause for the Department to institute against the Contractor any and all enforcement proceedings and/or sanctions authorized by the Contract or by State and/or Federal law.

PAYROLL REQUIREMENTS FOR WHOLLY STATE FUNDED PROJECTS

- **A.** Payroll Reports. Each Contractor and subcontractor shall furnish the RE with payroll reports for each week of contract work. Such reports shall be submitted within 10 days of the date of payment covered thereby and shall contain the following information:
 - 1. Each employee's full name and address of each such employee.
 - 2. The ethnicity and gender of each employee.
 - 3. Each employee's specific work classification (s).
 - 4. Entries indicating each employee's basis hourly wage rate(s) and, where applicable, the overtime hourly wage rate(s). Any fringe benefits paid to approved plans, funds or programs on behalf of the employee must be indicated. Any fringe benefits paid to the employee in cash must be indicated.
 - 5. Each employee's daily and weekly hours worked in each classification, including actual overtime hours worked (not adjusted).
 - 6. Each employee's gross wage.
 - 7. The itemized deductions made.
 - 8. The net wages paid.
- B. Statement of Wages. Each Contractor or subcontractor shall furnish a statement each week to the RE with respect to the wages paid each of its employees engaged in contract work covered by the New Jersey Prevailing Wage Act during the preceding weekly payroll period. The statement shall be executed by the Contractor or subcontractor or by an authorized officer or employee of the Contractor or subcontractors who supervises the payment of wages. Contractors and subcontractors must use the certification set forth on NJ Department of Labor Payroll Certification for Public Works Project (R-08-12-08), or any form with identical wording.
- **C. Maintaining Records.** Contractor and subcontractor shall maintain complete social security numbers and home address for employees. Government agencies are entitled to request or review all relevant payroll information, including social security numbers and addresses of employees. Contractors and subcontractors are required to provide such information upon request.
- **D.** Lack of Compliance. Failure of the Contractor or subcontractor to comply with the payroll requirements may result in payment being delayed or withheld as specified in Section 105, default as specified in Section 108 or termination of the Contract as specified in Section 108.

AMERICANS WITH DISABILITIES ACT REQUIREMENTS FOR WHOLLY STATE FUNDED PROJECTS

Equal Opportunity for Individuals with Disabilities.

The CONTRACTOR and the STATE do hereby agree that the provisions of Title II of the American With Disabilities Act of 1990 (the "ACT") (42 U.S.C. Section 12101 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 thereunto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the STATE 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 STATE in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect, and save harmless the STATE, 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 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 STATE'S grievance procedure, the CONTRACTOR agrees to abide by any decision of the STATE which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the STATE or if the STATE 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.

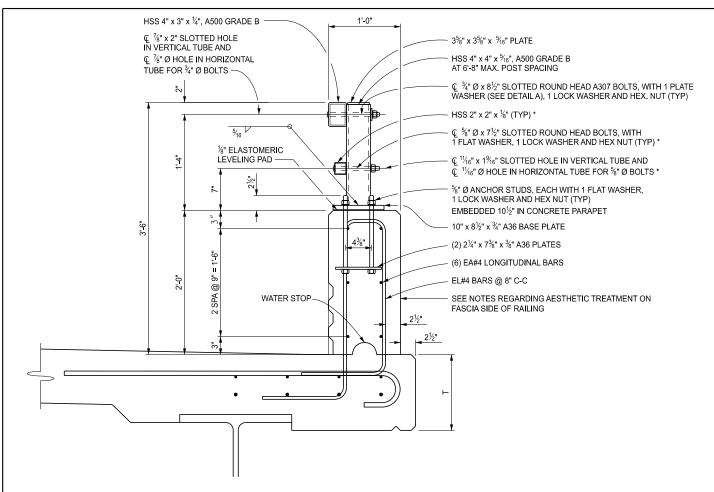
The STATE shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the STATE or any of its agents, servants, and employees, the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

It is expressly agreed and understood that any approval by the STATE 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 STATE pursuant to this paragraph.

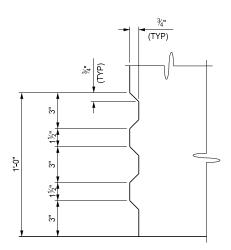
It is further agreed and understood that the STATE assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees 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 STATE from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

APPENDIX 2

Michigan DOT B-25 Bridge Railing



FLUSH MOUNT BRIDGE RAILING



AESTHETIC TREATMENT DETAIL

NOTES:

ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

DETAILS SHOWN ARE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

BRIDGE RAILING USED WITH SIDEWALK SHALL BE USED ONLY WITH THE SIDEWALK CONFIGURATION (PROFILE) SHOWN ON THIS STANDARD PLAN.

NO SLIP FORMING OF "BRIDGE RAILING, AESTHETIC PARAPET TUBE" SHALL BE ALLOWED. RAILING SHALL BE CAST IN PLACE.

THE LIGHT STANDARD ANCHOR BOLT ASSEMBLY IS INCLUDED IN THE BID ITEM "BRIDGE RAILING, AESTHETIC PARAPET TUBE". SEE STANDARD PLAN B-103-SERIES.

FOR LIGHT STANDARD ANCHOR BOLT ASSEMBLY DETAILS, IF BRIDGE RAILING, AESTHETIC PARAPET TUBE IS PLACED FLUSH ON THE BRIDGE DECK (WITHOUT SIDEWALK), THE LIGHTING CONDUIT SHALL NOT BE PLACED IN THE RAILING.

A RUBBED FINISH ON THE VERTICAL AND TOP CONCRETE SURFACES OF THE PARAPET RAILING IS REQUIRED.

AESTHETIC TREATMENT AS DETAILED ON THIS SHEET SHALL BE ADDED TO THE FASCIA SIDE OF RAILING IF NO AESTHETIC TREATMENT IS DETAILED ON THE PLAN SHEETS AND SHALL BE INCLUDED IN THE BID ITEM "BRIDGE RAILING, AESTHETIC PARAPET TUBE". AESTHETIC TREATMENT DETAILED ON THE PLAN SHEETS MAY BE UP TO 1" IN CONCRETE DEPTH WITHOUT MODIFICATION TO THE RAILING WIDTH AND SHALL BE INCLUDED IN THE BID ITEM "BRIDGE RAILING, AESTHETIC PARAPET TUBE". AESTHETIC TREATMENT REQUIRING ADDITIONAL RAILING WIDTH OR THE USE OF ELASTOMERIC FORM LINERS SHALL BE PAID FOR SEPARATELY.

THE HSS 2" x 2" x $\frac{1}{8}$ " RAIL, SLOTTED HOLE, AND $\frac{9}{8}$ " BOLT ARE NOT REQUIRED WHEN RAILING IS USED IN COMBINATION WITH PEDESTRIAN FENCING (SEE STANDARD PLAN B-41-SERIES).

APPROVED BY:

DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES

APPROVED BY:

DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY:

DIRECTOR, BUREAU OF DEVELOPMENT



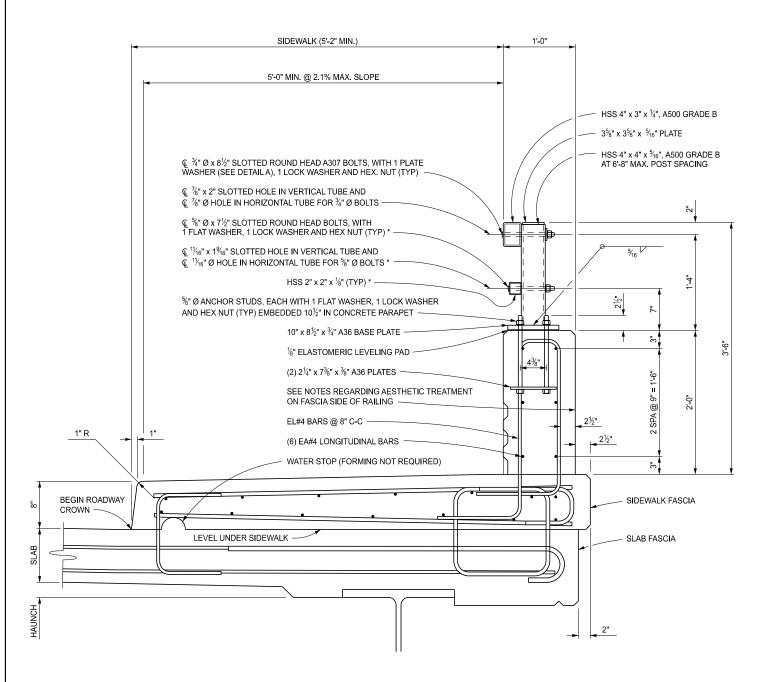
STANDARD PLAN FOR
BRIDGE RAILING, AESTHETIC PARAPET TUBE

SHEET

1 OF 8

(SPECIAL DETAIL)
FHWA APPROVAL PLAN DATE

B-25-L



BRIDGE RAILING WITH SIDEWALK



STANDARD PLAN FOR
BRIDGE RAILING, AESTHETIC PARAPET TUBE

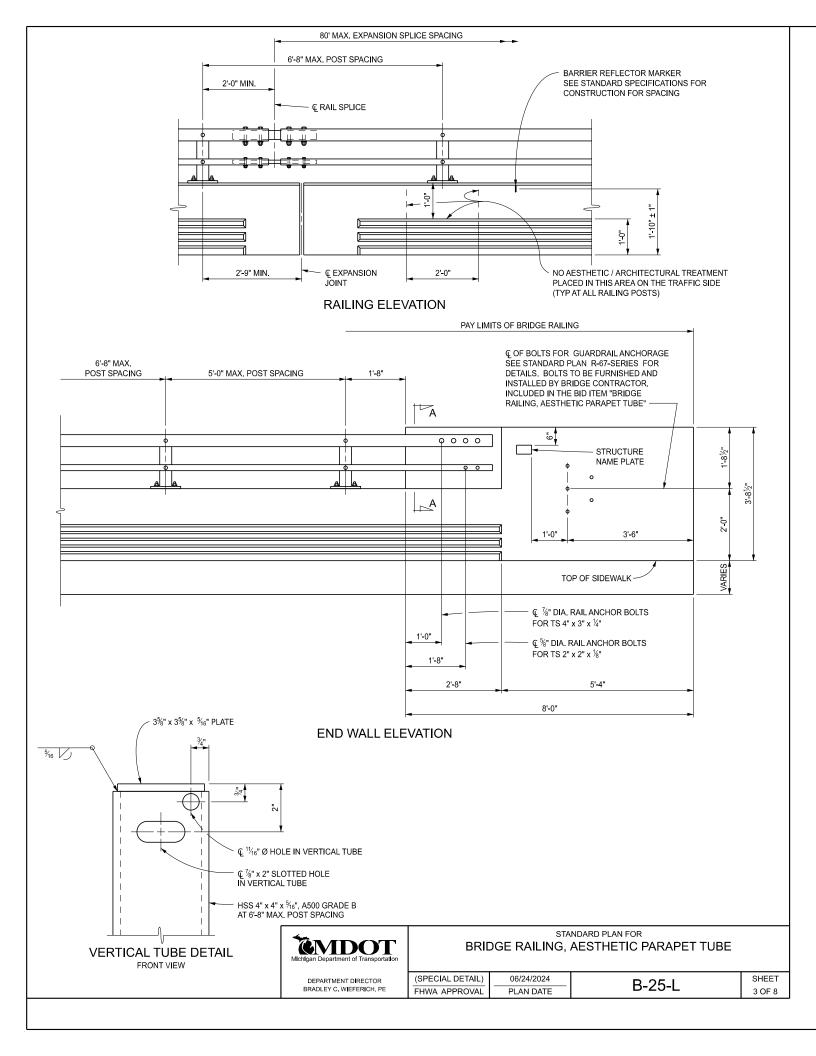
DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

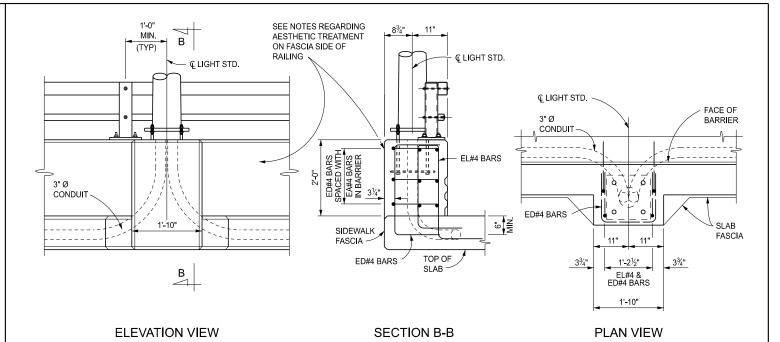
FHWA A

(SPECIAL DETAIL) 06/24/2024
FHWA APPROVAL PLAN DATE

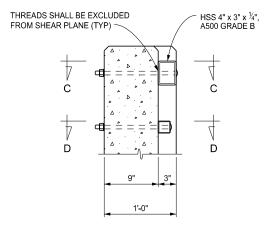
B-25-L

SHEET 2 OF 8

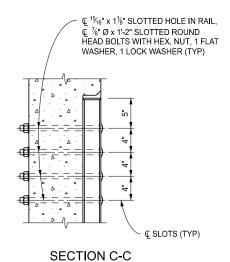


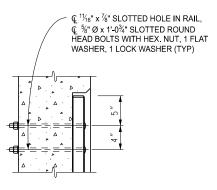


LIGHT STANDARD DETAILS



SECTION A-A





SECTION D-D



STANDARD PLAN FOR
BRIDGE RAILING, AESTHETIC PARAPET TUBE

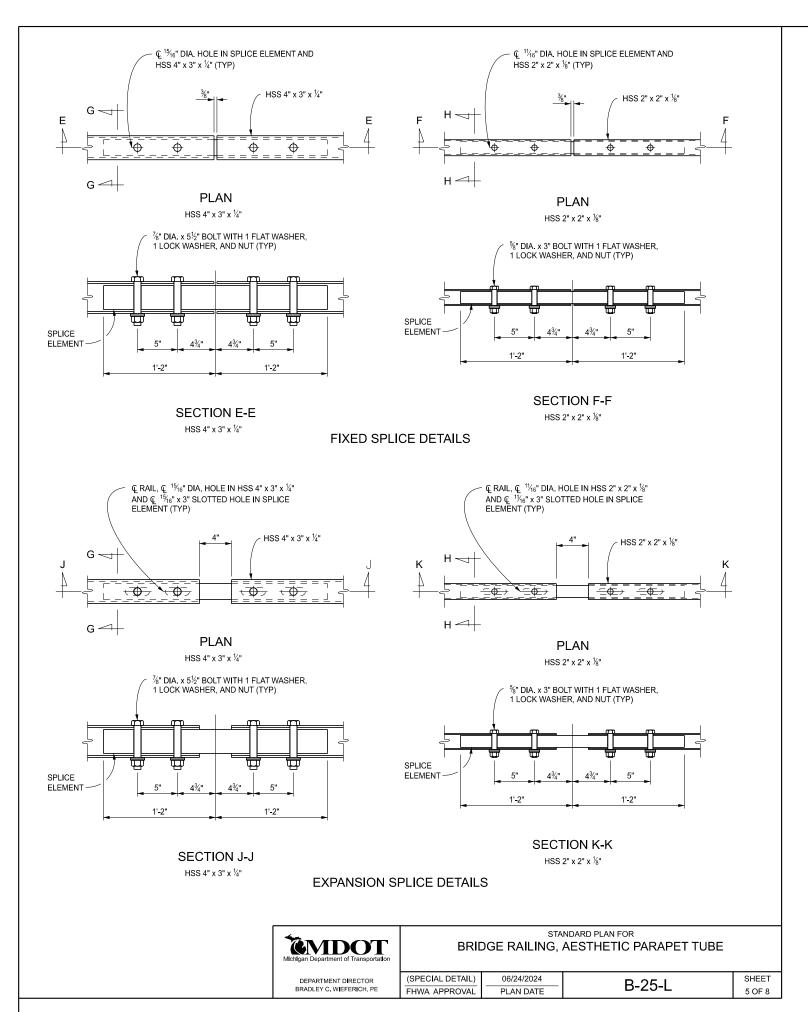
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 06/24/2024

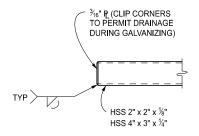
 FHWA APPROVAL
 PLAN DATE

 B-25-L
 \$HEET

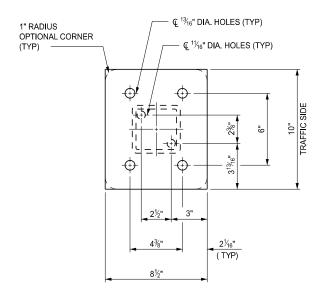
 4 OF 8

SECT

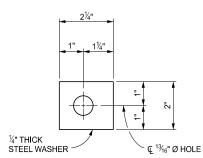




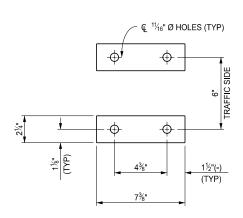
END OF RAIL



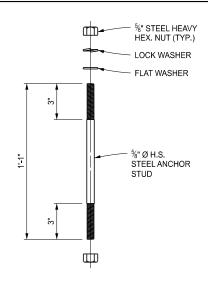
EXTERIOR BASE PLATE



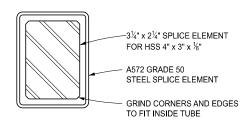
DETAIL A



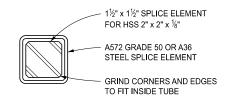
EMBEDDED ANCHOR STUD PLATES



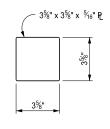
ANCHOR STUD DETAIL



SECTION G-G



SECTION H-H

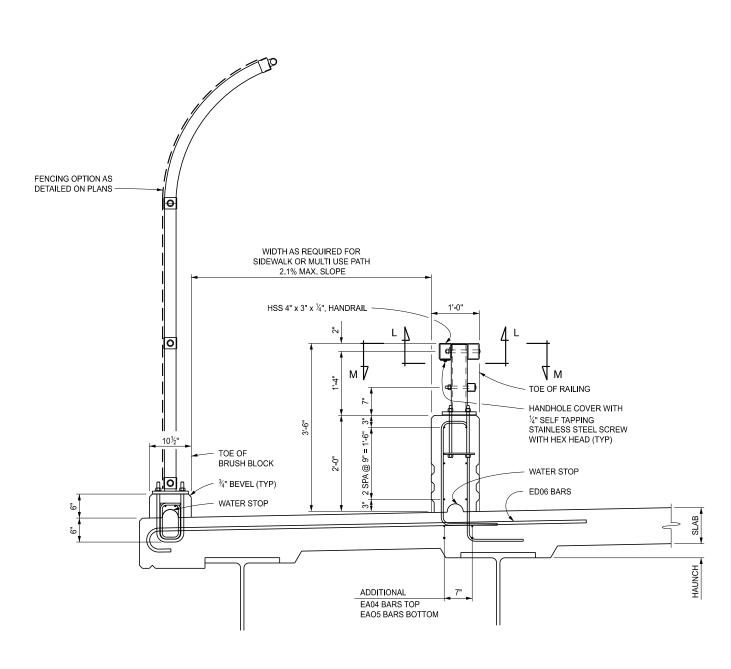


POST COVER PLATE



STANDARD PLAN FOR
BRIDGE RAILING, AESTHETIC PARAPET TUBE

(SPECIAL DETAIL)	06/24/2024	P 25 I	SHEET
FHWA APPROVAL	PLAN DATE	D-2J-L	6 OF 8



SECTION WITH PEDESTRIAN / MULTI USE PATH



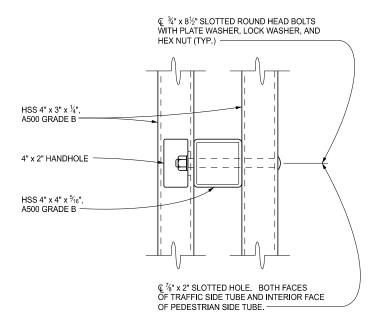
STANDARD PLAN FOR
BRIDGE RAILING, AESTHETIC PARAPET TUBE

(SPECIAL DETAIL)
FHWA APPROVAL

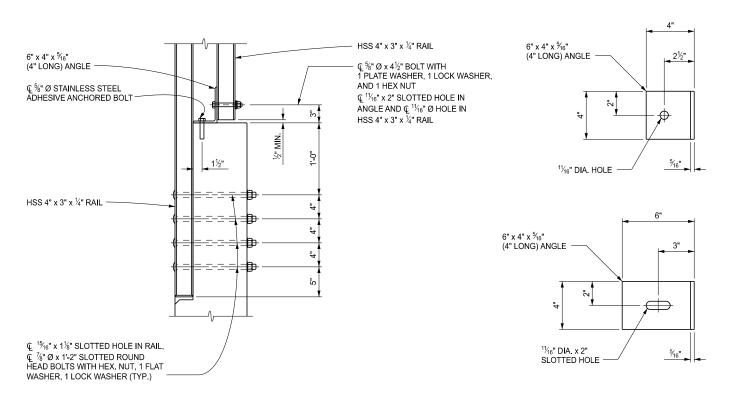
O6/24/2024
PLAN DATE

B-25-L

SHEET 7 OF 8



SECTION L-L



SECTION M-M



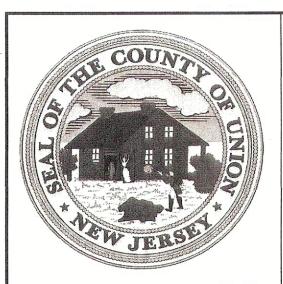
STANDARD PLAN FOR BRIDGE RAILING, AESTHETIC PARAPET TUBE

CTOR (SPECIAL DETAIL)
FHWA APPROVAL

06/24/2024 PLAN DATE

B-25-L

SHEET 8 OF 8



COUNTY OF UNION BOARD OF COUNTY COMMISSIONERS

TRENTON AVENUE BRIDGE (EL-18) REHABILITATION

	LIST OF UTILITIES
PUBLIC WORKS:	ELIZABETH PUBLIC WORKS JOHN F. PAPETTI JR., PUBLIC WORKS DIRECTOR 50 WINFIELD SCOTT PLAZA ELIZABETH, NJ 07201 908-820-4100
SEWER:	ELIZABETH CITY SEWER UTILITY DANIEL J. LOOMIS, PE, CITY ENGINEER 50 WINFIELD SCOTT PLAZA, ELIZABETH, NJ 07201 908-820-4271
WATER:	LIBERTY WATER COMPANY 1 WATER STREET, CAMDEN, NJ, 08102 855-722-7066
ELECTRIC:	PSE&G - ELECTRICAL DISTRIBUTION (TRANSMISSION) JOSHUA FINK, PRINCIPAL ENGINEER 4000 HADLEY ROAD SOUTH PLAINFIELD, NJ 07080 908-303-8330
ELECTRIC:	PSE&G - ELECTRICAL DISTRIBUTION JASON HESS, PRINCIPAL ENGINEER 472 WESTON CANAL ROAD SOMERSET, NJ 08873 732-764-3127
CABLE:	COMCAST RICH GUGULSKI 800 RAHWAY AVENUE, UNION CITY, NJ 07083
GAS:	ELIZABETHTOWN GAS GREGORY J. BALINT, PROJECT ENGINEER 520 GREEN LANE UNION, NJ 07083 732-713-2581
TELE- COMMUNICATIONS:	VERIZON COMMUNICATIONS THOMAS GRABINSKI, SENIOR ENGINEER 657 FLORIDA GROVE ROAD HOPELAWN, NJ 08861 732-874-6190

Coccens Summer S Summer S Alattian	Country Square Square Script St.
DESIGN SPEED = 30 MPH	PROJECT SITE: TRENTON AVENUE BRIDGE

SHEET #	DESCRIPTION
1	TITLE SHEET
2	LEGEND
3	ESTIMATE OF QUANTITIES & GENERAL NOTES
4	EXISTING CONDITIONS
5	CONSTRUCTION PLAN
6	SOIL EROSION & SEDIMENT CONTROL PLAN
7	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS
8	TRAFFIC DETOUR PLAN
9	TRAFFIC SIGNAGE & STRIPING PLAN
10	GENERAL PLAN & ELEVATION
11	ROAD & BRIDGE CROSS SECTIONS
12	SUPERSTRUCTURE DEMOLITION
13	DECK PLAN & SECTION
14	FRAMING PLAN & DETAILS
15	CONNECTION DETAILS
16	BEARING DETAILS
17	EXPANSION & SCUPPER DETAILS
18	SUBSTRUCTURE REPAIR & DETAILS

SHEET INDEX

UNION COUNTY BOARD OF COUNTY COMMISSIONERS

KIMBERLY PALMIERI—MOUDED, CHAIRWOMAN LOURDES M. LEON, VICE CHAIRWOMAN JAMES E. BAKER, JR.

JOSEPH BODEK

MICHELE S. DELISFORT

SERGIO GRANADOS

BETTY JANE KOWALSKI

ALEXANDER MIRABELLA

REBECCA WILLIAMS

RECOMMENDED FOR APPROVAL BY RECOMMENDED FOR APPROVAL BY RECOMMENDED FOR APPROVAL BY J. CHRISTIAN BOLLWAGE, ELIZABETH CITY ENGINEER APPROVED BY RICARDO MATIAS, P.E., C.M.E., C.F.M., COUNTY ENGINEER APPROVED BY EDWARD F OATMAN, COUNTY MANAGER DATE

PROJECT LOCATION MAP

LENGTH OF PROJECT = 231.14 FEET

2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION TO GOVERN, INCLUDING BASELINE DOCUMENT CHANGES (BDC).

STANDARD ROADWAY CONSTRUCTION—TRAFFIC CONTROL—BRIDGE CONSTRUCTION DETAILS BOOKLET (2016) AND STANDARD ELECTRICAL DETAILS BOOKLET (2007) ARE APPLICABLE TO THIS PROJECT, EXCEPT AS SUPERSEDED BY DETAILS AND NOTES THAT ARE CONTAINED HEREIN.

New Jersey One Call CALL BEFORE YOU DIG 811 or 1-800-272-1000 ITS THE LAW IT IS THE RESPONSIBILITY OF THE CONTRACTOR

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT NJ ONE CALL PRIOR TO THE START OF CONSTRUCTION. CALL FOR MARKOUTS THREE (3) FULL BUSINESS DAYS IN ADVANCE AND BEGIN EXCAVATION WITHIN 10 DAYS. ALL CONTRACTORS ON-SITE MUST HAVE THEIR OWN MARKOUT.

ELIZABETH CITY
COUNTY OF UNION, NEW JERSEY

MAY 2024

RW/E
1901
REMINGTON

& VERNICK
ENGINEERS

CHERRY HILL, NJ 08003
(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
~ENGINEERING EXCELLENCE~

DATE:
FRANK J. SENEY JF

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR R E S U L T I N G T H E R E F R O M

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UNION COUNTY PROJECT #2021-001

'ENUE BRIDGE (EL-18) REHABILITATION

TATE STRUCTURE #2004018

UNION COUNTY

NEW JERSEY

 DRAWN BY:
 DESIGN BY:
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STANDARD LEGEND

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М	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	REMINGTO
	OVERHEAD WIRE	OHW			CROWS FOOT	Ý			EDGE OF PAVEMENT			& VERNICK ENGINEER
	SANITARY FORCE MAIN PIPE	FM	FM		AERIAL TARGET		+		CURB			2059 SPRINGDALE RO
	STORM SEWER PIPE ≤12"		D		CONCRETE MONUMENT	⊡	■ (SET)		PAVEMENT / CONC. / SIDEWALK	BITUMINOUS/ASPHALT	ASPHALT DRIVEWAY	CHERRY HILL, NJ 08 (856) 795-9595, FAX (856)
	STORM SEWER PIPE > 12"	(SIZE & TYPE)	(SIZE & TYPE) =================================		PK / MAG NAIL DRILL HOLE	0	• (SET)			CONCRETE	CONCRETE	WEB SITE ADDRESS: WWW. Certification of Authorization: 24 GA
	GAS SERVICE		G		SPIKE					BRICK/PAVERS	BRICK/PAVERS	~ENGINEERING EXCELLEN
	SANITARY SEWER PIPE ≤12"	s	s		DRILL HOLE W/ WINGS	- <mark>i</mark> -				STONE	STONE	- Jam
	SANITARY SEWER PIPE > 12"	(SIZE & TYPE) = = = = = = = = = = = = = = = = = = =	_ <u>(SIZE & TYPE)</u> =		STAKE	Δ	▲ (SET)				MILLING	FRANK J. SEN
	ELECTRIC SERVICE	E	——————————————————————————————————————		HUB	Δ	△ (SET)		LIMIT OF EXCAVATION			NJ PROFESSIONAL ENGINEER I
	FIBER OPTIC SERVICE		F0		PIN W/ CAP IRON PIPE	©	• (SET)		GUIDE RAIL		<u> </u>	
	TELEPHONE SERVICE	τ	т	>	IRON PIN		• (SET)		BOLLARD	0	ø	
	COMMUNICATIONS SERVICE	c	c		CROSS CUT	×	¥ (SET)	WORK	MAILBOX	M	M	
	IRRIGATION PIPE		IRR	X	DISK				SIGNS		 +	
	WATER SERVICE		——————————————————————————————————————	S	STONE	0			FLAG POLE	\sim	•~	
	WATER SHUT-OFF	w So			REBAR	⊗		 	BENCH			
	WATER METER	w _w	₩₩		BASELINE		+		PILE	©	©	
	WATER VALVE	₩V ⊠	M NEW ⋈ RESET		CENTERLINE	——————————————————————————————————————	——————————————————————————————————————		DETECTABLE WARNING SURFACE		\$3333	
	WATER HYDRANT	HÇD	▼ NEW ▼ RESET		EASEMENT		- — — — — —	≪	TYPICAL STRIPING			
	WELL	@	®		RIGHT-OF-WAY			w	ADA STRIPING	<u> </u>	 گ	
	YARD HYDRANT	Ø			PROPERTY BOUNDARY			SIT	TRAFFIC CONTROL BOX	TCB		PLANS WHICH DO N AN EMBOSSED SEAL ARE
	METER PIT	0			ADJACENT PROPERTY BOUNDARY			6	TRAFFIC LIGHT		(ARM TO SCALE)	ALL DOCUMENTS PREPARED BY REMIN ENGINEERS AND AFFILIATES ARE IN SERVICE IN RESPECT OF THE PROJECT
	GAS SHUT-OFF	&			RAILROAD TRACKS				DEPT. OF TRANSPORTATION MANHOLE	(e)	- ▼ `	INTENDED OR REPRESENTED TO BE SUIT BY OWNER OR OTHERS ON EXTENSIONS OR ON ANY OTHER PROJECT. ANY F
	GAS METER	e M			STATE BOUNDARY				STATE HIGHWAY DEPARTMENT	® MANHOLE SHD BOX		WRITTEN VERIFICATION OR ADAPTATION VERNICK ENGINEERS AND AFFILIATES I PURPOSE INTENDED WILL BE AT OWNER WITHOUT LIABILITY OR LEGAL EXPOSUR
	GAS VALVE	€K	NEW ⋈ RESET		MUNICIPAL / COUNTY BOUNDARY				RAILROAD CROSSING BEACON	₩AIVHULE — BUX		& VERNICK ENGINEERS AND AFFILIA' SHALL INDEMNIFY AND HOLD HARMLE VERNICK ENGINEERS AND AFFILIATES I DAMAGES, LOSSES AND EXPENSES AF
	GAS LINE MARKER	_6_	NEW MESET		MONION AL/ COONTT BOONDART				CALL BOX	×		RESULTING THER
			_		DODING LOCATION	A 0 #	⊕ B−#					
	CLEANOUT	у У	•	💆	BORING LOCATION	♦ B−#	→ MW-#		OIL FILL	<u> </u>		
	SEWER VENT	#	RESET/ RESET/ RESET/ RESERVATION OF		MONITORING WELL LOCATION	⊕ MW-#	₩ "" # TP-#		UNDERGROUND STORAGE TANK LID	RP.		
	INLET TYPE A		RESET RECONSTRUCT SET RESET RECONSTRUCT RESET RECONSTRUCT		TEST PIT LOCATION	₽ <i>TP−#</i>	lacksquare		RISER PIPE	O		
	INLET TYPE B		SET SET		FRESHWATER WETLAND FLAG	X FW−#			RAISED PAVEMENT MARKER	2	•	
	INLET TYPE E		NEW RESET/RECONSTRUCT	0	FRESHWATER WETLAND LINE	<u> </u>	<u> </u>					1
	AREA DRAIN				FRESHWATER WETLAND BUFFER		- — — — — — –		BBQ GRILL			
	MANHOLES	S SANITARY Ø DRAINAGE Ū TELEPHONE ₩ WATER © CATV UNDERDRAIN	NEW		EDGE OF WATER		· · — · · — · · — · · —		WATER FOUNTAIN	WF.		
		© ELECTRIC $^{\textcircled{G}}$ GAS $^{\textcircled{W}}$ UNKNOWN			STREAM CENTERLINE			ြင့္ပ	KIOSK			
	IRRIGATION CONTROL VALVE	₩	M NEW M RESET		GRASS/SOD	* * * *	· · · · ·		AIR CONDITIONER	(AC)		
	IRRIGATION BOX				DECIDUOUS TREE	Formal State Control of the St	SHADE ORNAMEN	ITAL S	PARKING METER	PM M		
	IRRIGATION CONTROL BOX	IR C		9	SHRUBS / BUSH		\odot		FIRE CONTROL VALVE	FV ⊠		
	SPRINKLER HEAD	©	•		EVERGREENS		and the same of th		BARRICADE	-u-u-	-u-u-	
	UNKNOWN VALVE	×		\brace{A}	STUMP		Smile				~	-
	COMMUNICATIONS PEDESTAL			SC	WOODS / TREE LINE				PHOTO LOCATION		#	
	COMMUNICATIONS LINE MARKER	<u>-Ç-</u>			WIRE FENCE	//////	—//—//—		BENCHMARK LOCATION	(BM) X		2021-00
	TELEPHONE PEDESTAL	7			SPLIT RAIL FENCE			GENER	TYPICAL SECTION ARROW		<u> </u>	
	TELEPHONE LINE MARKER	- I-			WOOD / VINYL FENCE				MATCH LINE			H Z Solec
	ELEC. BOX				CHAIN-LINK FENCE	xxx	xxx	8	TYPICAL NORTH ARROW	NAD-1983		
	ELEC. METER	EM			5 E E			$-$ $\overline{}$			O ON STANDARD CONSTRUCTION SHEETS TO STATE PLANE COORDINATE SYSTEM.	
	ELEC. TRANSFORMER PAD	ET			TOP OF BANK / DITCH				E.B., W.B., _{EASTBO}	NIND WESTBOUND		NOINON !
	ELEC. VAULT	ŒZ			BOTTOM OF BANK / DITCH			S	APR. APRON N.B., S.B. NORTH BL BASELINE G GUTTEI	BOUND, SOUTHBOUND PC POIN	STATE HIGHWAY T OF CURVATURE S.H.D. DEPARTMENT T OF INFLECTION SHLD. SHOULDER	
	ELEC. LINE MARKER	<u>-£</u>		9	CONTOUR (MAJOR)		5		BM BENCH MARK GR GRATE BIT. BITUMINOUS HW HEADW	PT POIN	T OF TANGENCY STY. STORY KER KAYLON MASONRY NAIL T.B.A. TO BE ABANDONED	
	UTILITY POLE	STANDARD W/ LIGHT W/ SOLAR			CONTOUR (MINOR)		3			ENSITY POLYETHYLENE PIPE PROP. PRO		
	GUY ANCHOR	→		9	FLOW LINE / SWALE	>>	>>		C.I.P. CAST IRON PIPE IP IRON PI CONC. CONCRETE J.B. JUNCTI	N PVC POIN	T OF VERTICAL CURVATURE TEL TELEPHONE T OF VERTICAL INTERSECTION TEMP. TEMPORARY	
	ELEC. OUTLET	(3 *	G =	R	TIME OF CONCENTRATION	>	>		C.M.P. CORRUGATED METAL PIPE L.S.T. LANDSO		T OF VERTICAL TANGENCY TYP. TYPICAL	
	LIGHTS	[©] POLE [™] AREA	* *	5	SPOT GRADE	_X 3.48	_× 3.48	BBRE		PAVING R.C.P. REIN	FORCED CONCRETE PIPE U.P. UTILITY POLE METALLIC OCNDUIT VAR. VARIES	DRAWN BY: DESIGN BY: CHECKED I
	VENT	W/T			ROADWAY GRADE	7C5.45 GL 4.95	TC5.45 GL4.95		DIA. DIAMETER MAX. MAXIMU DWY DRIVEWAY MIN. MINIMU	M R.O.W. RIGH	T OF WAY WM WATER METER	ZRN/MHM AIF/CJR FJS DATE: SI
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ESTIMATE OF QUANTITIES

	ROADWA	Y PAY ITEMS			
PAY ITEM NO.	DESCRIPTION	UNITS	PLAN QUANTITY	IF AND WHERE DIRECTED	CONTRACT QUANTITY
1	MOBILIZATION	L.S.	1	0	1
2	SILT FENCE	L.F.	300	60	360
3	HAYBALE (IF & WHERE DIRECTED)	UNIT	0	20	20
4	INLET FILTER TYPE 2, 2' X 4'	UNIT	4	1	5
5	FLOATING TURBIDITY BARRIER, TYPE 2	L.F.	140	10	150
6	SEDIMENT CONTROL BAG	S.F.	36	4	40
7	RIPRAP STONE SLOPE PROTECTION, 30" THICK	S.Y.	0	2	2
8	BREAKAWAY BARRICADE, TYPE-III	UNIT	10	5	15
9	CONSTRUCTION SIGNS	S.F.	318	32	350
10	PORTABLE VARIABLE MESSAGE SIGN	UNIT	4	0	4
11	FUEL PRICE ADJUSTMENT	DOLLAR	1	0	1
12	ASPHALT PRICE ADJUSTMENT	DOLLAR	1	0	1
13	CLEARING SITE	L.S.	1	0	1
14	EXCAVATION, TEST PIT (IF & WHERE DIRECTED)	C.Y.	3	2	5
15	EXCAVATION, UNCLASSIFIED	C.Y.	225	5	230
16	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	S.Y.	500	20	520
17	TACK COAT	GAL.	40	10	50
18	HMA MILLING, 3" OR LESS	S.Y.	110	5	115
19	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	24	6	30
20	HOT MIX ASPHALT 19 M 64 BASE COURSE, 6" THICK	TON	36	4	40
21	CONCRETE SIDEWALK, 4" THICK	S.Y.	120	10	130
22	9" X 18" CONCRETE VERTICAL CURB	L.F.	180	20	200
23	BEAM GUIDE RAIL	L.F.	1200	100	1300
24	TANGENT GUIDE RAIL TERMINAL	UNIT	5	0	5
25	APPROACH GUIDE RAIL TRANSITION TL-2	UNIT	4	0	4
26	TRAFFIC STRIPES, 6"	L.F.	1560	140	1700
27	TRAFFIC MARKINGS	S.F.	126	14	140
28	REMOVAL OF TRAFFIC STRIPES	L.F.	40	10	50
29	REGULATORY AND WARNING SIGN	S.F.	25	5	30
30	BORROW TOPSOIL (IF & WHERE DIRECTED)	C.Y.	0	20	20
31	FERTILIZING AND SEEDING, TYPE A-3	S.Y.	50	50	100
32	TOPSOIL SPREADING, 4" THICK	S.Y.	50	50	100
	BRIDGE	PAY ITEMS	•		
PAY ITEM NO.	DESCRIPTION	UNITS	PLAN QUANTITY	IF AND WHERE DIRECTED	CONTRACT QUANTITY
	CLEARING SITE. BRIDGE (EL-18)	L.S.	1	0	1

	1		1	1	
	BRIDGE	PAY ITEMS			
PAY ITEM	DESCRIPTION	UNITS	PLAN	IF AND WHERE	CONTRACT
NO.	DESCRIPTION	UNITS	QUANTITY	DIRECTED	QUANTITY
33	CLEARING SITE, BRIDGE (EL-18)	L.S.	1	0	1
34	TEMPORARY SHIELDING	L.S.	1	0	1
35	TEMPORARY COFFERDAM	L.S.	1	0	1
36	REINFORCEMENT STEEL, EPOXY-COATED	POUND	130000	1000	131000
37	CONCRETE ABUTMENT WALL	C.Y.	55	5	60
38	CONCRETE PIER COLUMN AND CAP	C.Y.	80	10	90
39	STRUCTURAL STEEL	L.S.	1	0	1
40	REINFORCED ELASTOMERIC BEARING ASSEMBLY	UNIT	72	0	72
41	SHEAR CONNECTOR	UNIT	7200	100	7300
42	STRIP SEAL EXPANSION JOINT ASSEMBLY	L.F.	248	12	260
43	CONCRETE BRIDGE DECK, HPC	C.Y.	252	8	260
44	DATE PANEL	UNIT	1	0	1
45	CONCRETE BRIDGE SIDEWALK, HPC	C.Y.	55	5	60
46	CONCRETE BRIDGE PARAPET, HPC	L.F.	292	8	300
47	CONCRETE BRIDGE APPROACH	C.Y.	155	15	170
48	STEEL 2 BAR BRIDGE RAILING	L.F.	292	8	300
49	SCUPPER	UNIT	6	0	6
50	CONCRETE SPALL REPAIRS, SUBSTRUCTURE, TYPE B	S.F.	234	86	320
51	PRESSURE INJECTION, CONCRETE CRACKS	L.F.	85	15	100
52	CONCRETE REPAIRS, SUBSTRUCTURE ALLOWANCE	L.S.	0	1	1

GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
- 3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS, EXCLUDING PAVEMENT, FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 4. ALL PAVED AND CONCRETE AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- 5. ALL GRASSED OR WOODED AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- 6. ALL FILL SHALL BE DENSE GRADED AGGREGATE PLACED IN LOOSE LAYERS, COMPACTION OF MATERIAL SHALL BE 95% PROCTOR DENSITY (ASTM D1557) AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.
- 8. BASELINES HAVE BEEN PROVIDED ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE BASELINE AS SHOWN ON THE PLAN.
- 9. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH N.J.D.O.T. STANDARDS AS DETAILED
 - "STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS."
 - "ELECTRICAL BUREAU STANDARD DETAILS: 2007."
 - INCLUDING ALL APPLICABLE BASELINE DOCUMENT CHANGES AND APPENDICES. THESE DETAILS MAY BE DOWNLOADED AT THE NJDOT WEBSITE.
- 10. SEPARATE PAYMENT WILL NOT BE MADE FOR SAW CUTTING OF ANY KIND, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 11. PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING CONCRETE CURB NOT SHOWN TO BE REMOVED. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETE REMOVAL AND REPLACEMENT OF ANY DAMAGED CURB NOT DOCUMENTED PRIOR TO THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE
- 13. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED
- 14. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AND AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEPT CONDITION AND OR AS DIRECTED BE THE ENGINEER.
- 15. TRAFFIC CONTROL INCLUDING ALL DEVICES SHALL BE PAID UNDER THE APPROPRIATE ITEMS, AND SHALL BE IN ACCORDANCE WITH THE MOST CURRENT M.U.T.C.D. AND N.J.D.O.T. DETAILS.
- 16. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS SHOWN ON THE
- 17. NO SEPARATE PAYMENT WILL BE MADE FOR FILTER FABRIC WHEN NOTED. ALL COSTS THEREOF SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS SCHEDULED WITHIN THE PROPOSAL.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH FEDERAL, STATE, COUNTY AND MUNICIPAL LAWS, ORDINANCES AND REGULATIONS.

MPT NOTES

- 1. INSTALL ADVANCE WARNING SIGNS. ALL ADVANCED WARNING SIGNS SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED FOR THE DURATION OF PROJECT.
- 2. TRAFFIC CONTROL SIGNAGE AND DEVICE PLACEMENT SHALL CONFORM TO NEW JERSEY DEPARTMENT OF TRANSPORTATION'S TRAFFIC CONTROL STANDARD DETAILS.
- 3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE BY CALLING 1-800-272-1000 AND WITH THEIR ASSISTANCE, SHALL VERIFY THE EXACT LOCATION, SIZE AND DIMENSION OF ALL BURIED UTILITIES. REMINGTON & VERNICK ENGINEERS ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.
- 4. NO ADDITIONAL PAYMENT WILL BE MADE FOR MOVING OR RELOCATION OF TRAFFIC CONTROL DEVICES.
- 5. ALL STRIPING AND SIGNING SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION.
- 6. COVER ALL CONFLICTING SIGNS.
- 7. PLACE THE W23-101 ADVANCED CLOSURE NOTICE SIGNS AT LEAST FOURTEEN (14) DAYS PRIOR TO THE BRIDGE CLOSURE. NOTIFY THE ELIZABETH CITY POLICE DEPARTMENT WHEN THE SIGNS ARE TO BE PLACED.



REMINGTON & VERNICK **ENGINEERS**

2059 SPRINGDALE ROAD CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300 ~ENGINEERING EXCELLENCE~

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NJ PROFESSIONAL ENGINEER LIC. No. 35321

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

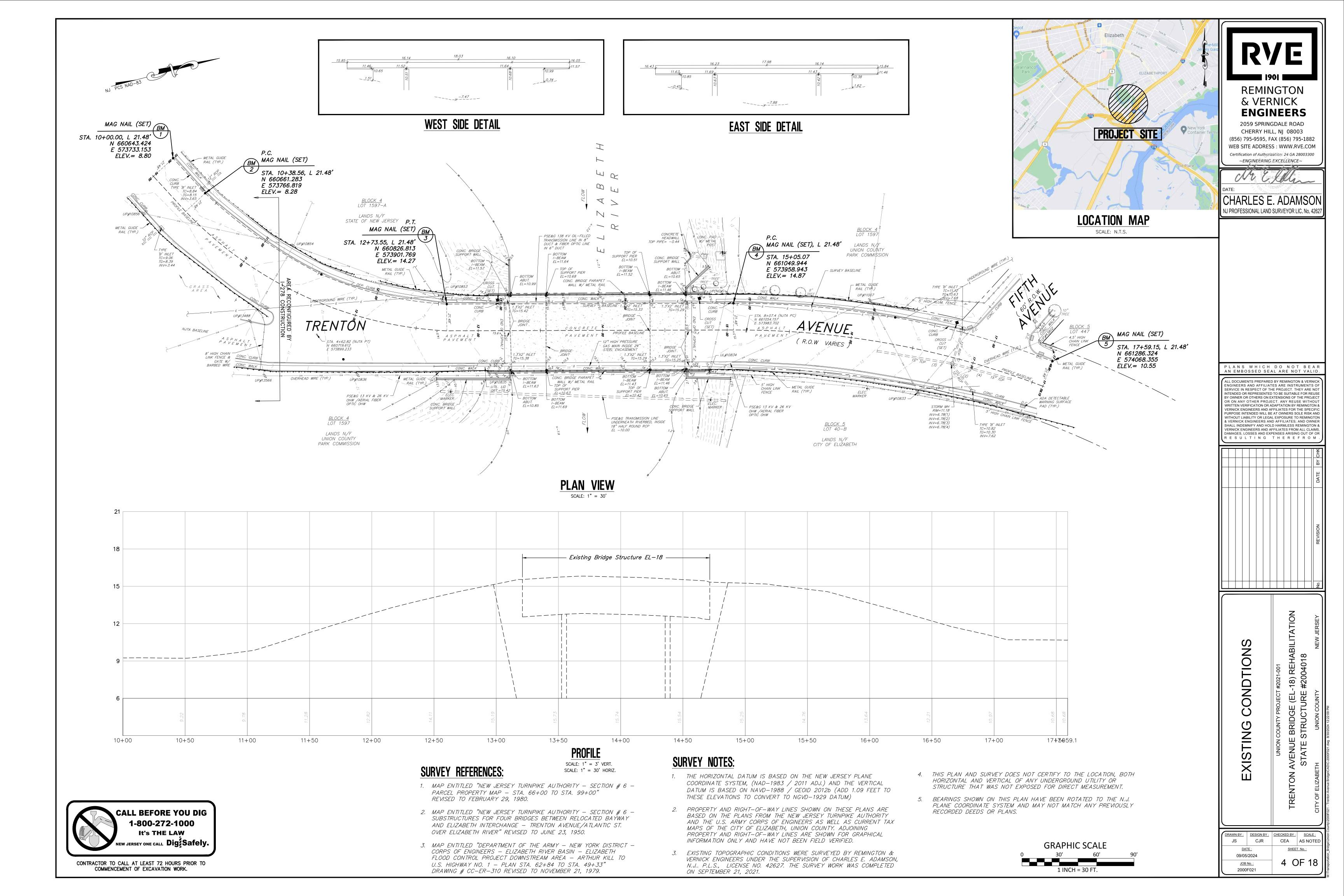
ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NO INTENDED OR REPRESENTED TO BE SUITABLE FOR REUS BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOU WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON 8 VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK ANI WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTO & VERNICK ENGINEERS AND AFFILIATES: AND OWNE SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM

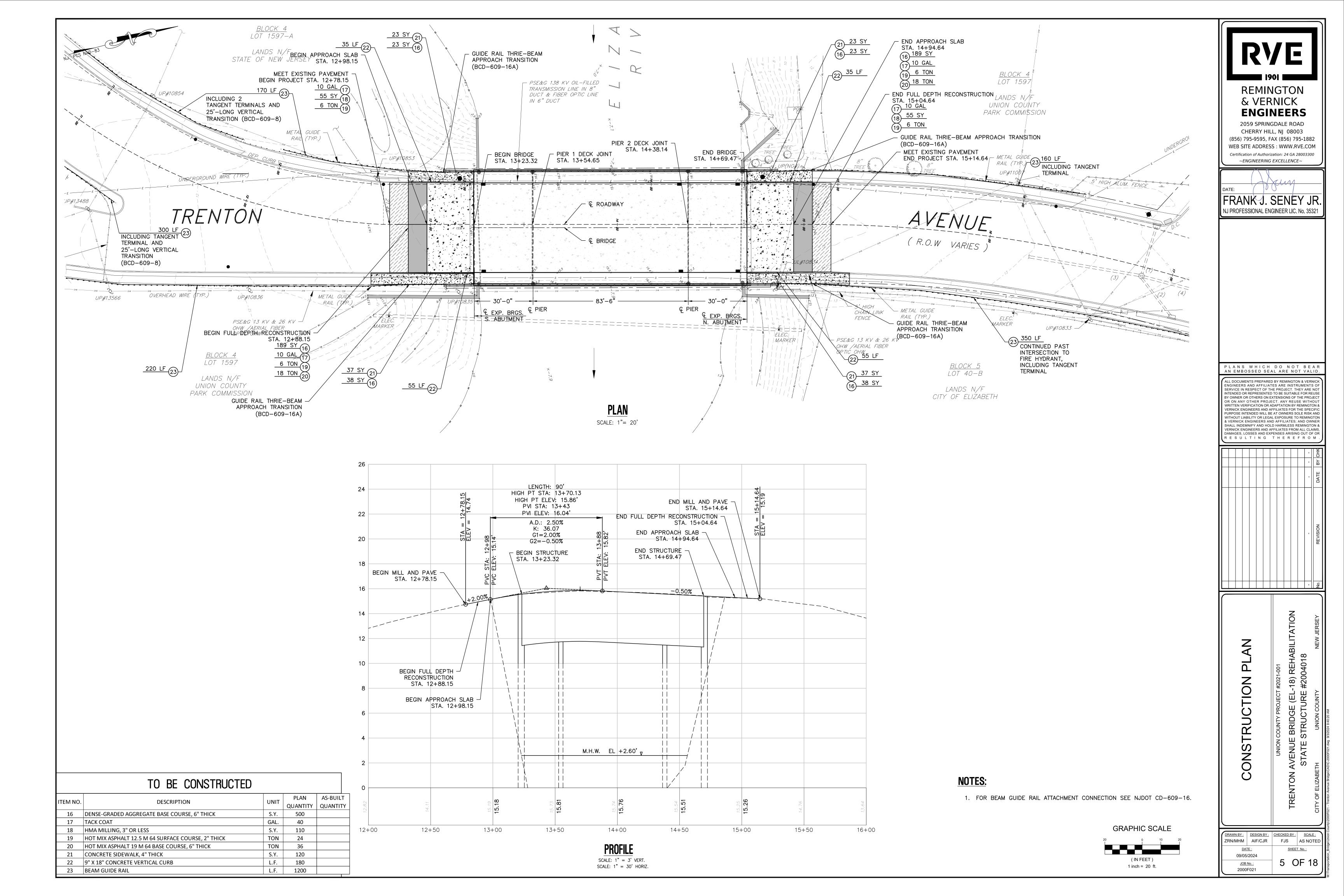
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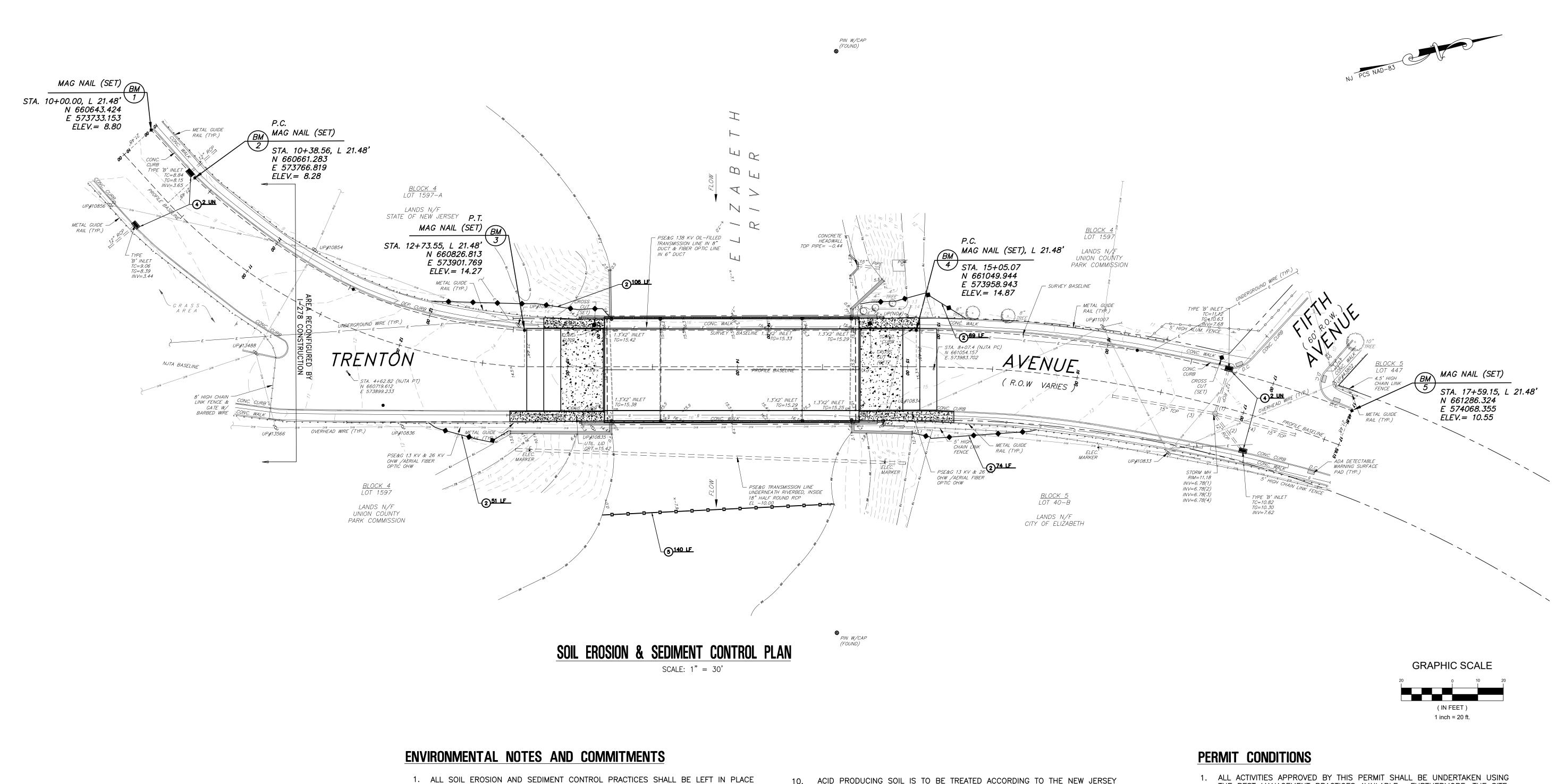
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- AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.
- 2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH THE UNION COUNTY SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- 3. ALL CONSTRUCTION SOIL DISTURBANCES, WHERE SOIL IS SUBJECT TO MOVEMENT OUTSIDE OF THE PROJECT LIMITS, WILL REQUIRE SILT FENCING AROUND THE TEMPORARY CONSTRUCTION DISTURBANCES.
- 4. ALL TERMS AND CONDITIONS OF THE NJDEP ENVIRONMENTAL PERMIT BY-RULE SHALL BE ADHERED TO. NO CHANGES IN THE CONDITIONS, PLANS, OR SPECIFICATIONS SHALL BE MADE EXCEPT WITH THE PRIOR WRITTEN PERMISSION OF THE NJDEP.
- 5. AREAS OF TEMPORARY DISTURBANCE SHALL BE RESTORED TO ORIGINAL GRADE AND SHALL BE REPLANTED WITH APPROPRIATE VEGETATION UPON COMPLETION OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- 6. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE OF THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAY, WILL BE REMOVED IMMEDIATELY. PAVED ROADS AND DRIVEWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 7. CONTRACTOR IS RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORM WATER OUTFALLS OR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- 8. CONTRACTOR IS RESPONSIBLE TO VISIT THE SENSITIVE AREAS PERIODICALLY AND TO INSURE THE EROSION CONTROLS ARE FUNCTIONING PROPERLY AND INTRODUCE ADDITIONAL CONTROL IF IT IS NECESSARY. ALSO, ANY ADDITIONAL EROSION AND SEDIMENTATION THAT OCCURS WITHIN THE PROJECT SITE NEEDS TO BE PROPERLY ADDRESSED.
- 9. DUST/DIRT CONTROL: EMPLOY CONSTRUCTION METHODS THAT MINIMIZE AIRBORNE DUST. APPLY WATER OR OTHER APPROVED MATERIALS TO UNPAVED AREAS TO CONTROL DUST CAUSED BY HAULING OR OTHER CONSTRUCTION OPERATIONS.

- STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL AND AS SPECIFIED IN 202.03.05 OF THE SPECIFICATIONS. ENSURE THE CLEANING OF EQUIPMENT USED TO MOVE THE ACID-PRODUCING SOIL IS CONDUCTED AT A MINIMUM OF 50 FEET FROM THE WATER BODY, WETLAND, OR OTHER ENVIRONMENTAL SENSITIVE AREA.
- 11. ENSURE ALL VEGETATION OUTSIDE LIMITS OF DISTURBANCE IS PRESERVED. STORE PESTICIDES, FERTILIZERS, FUELS, LUBRICANTS, PETROLEUM PRODUCTS,
- 12. ANTIFREEZE, PAINTS AND PAINT THINNERS, CLEANING SOLVENTS AND ACIDS. DETERGENTS, CHEMICAL ADDITIVES, AND CONCRETE CURING COMPOUNDS IN CONTAINERS IN A DRY, COVERED AREAS. THE TOTAL AMOUNT OF THE VARIOUS LAND DISTURBANCE AREAS, ASSOCIATED WITH THIS AUTHORIZATION, SHALL NOT EXCEED 0.188 ACRES (8,188 SQUARE FEET).
- THE TOTAL AMOUNT OF INTERTIDAL AND SUBTIDAL SHALLOW DISTURBANCE, ASSOCIATED WITH THIS AUTHORIZATION, SHALL NOT EXCEED 0.126 ACRES (5,483 SQUARE FEET).

- THE BEST MANAGEMENT PRACTICES AVAILABLE. FURTHERMORE, THE SITE SHALL BE SUBJECT TO INSPECTION AT ANY TIME BY REPRESENTATIVES OF THE ENGINEER TO ENSURE THE CONTINUOUS APPLICATION OF THE PROVISIONS OF THIS PERMIT.
- 2. DURING THE COURSE OF CONSTRUCTION, NEITHER THE CONTRACTOR SHALL CAUSE OR PERMIT ANY UNREASONABLE INTERFERENCE WITH THE FREE FLOW OF THE STREAM BY PLACING OR DUMPING ANY MATERIALS, EQUIPMENT, DEBRIS, OR STRUCTURES WITHIN OR ADJACENT TO THE STREAM CORRIDOR. UPON COMPLETION OR ABANDONMENT OF THE WORK, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF, IN A LAWFUL MANNER, ALL EXCESS MATERIALS, EQUIPMENT, AND DEBRIS FROM THE STREAM CORRIDOR AND ADJACENT LANDS.
- 3. ALL ACTIVITIES AUTHORIZED BY THIS PERMIT SHALL BE STABILIZED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY TO PREVENT ERODED SOIL AND SEDIMENT FROM ENTERING ADJACENT WATERWAYS AT ANY TIME DURING AND SUBSEQUENT TO CONSTRUCTION. THE COUNTY RESERVES THE RIGHT TO ORDER THE SUSPENSION OF ANY ACTIVITY IF UNACCEPTABLE LEVELS OF EROSION OR TURBIDITY RESULT FROM THE SAME. FURTHERMORE, THE CONTRACTOR SHALL MAINTAIN THE STREAM CORRIDOR, AS SHOWN ON THE APPROVED DRAWINGS, FOR THE CHANNEL OR BANKS TO BECOME REASONABLY
- 4. ANY AND ALL PRECAUTIONS SHALL BE TAKEN TO PREVENT RAW CONCRETE FROM COMING INTO CONTACT WITH THE WATERS OF THE ELIZABETH RIVER.
- 5. ALL WORKERS SHALL BE INSTRUCTED TO REMOVE ANY TURTLES AND/OR ANY WILDLIFE IN GENERAL OUT OF HARMS WAY. SILT FENCING SHOULD BE PLACED ALONG ACTIVE CONSTRUCTION AREAS/EXCAVATION IN ORDER TO PREVENT THEIR ACCESS TO THESE AREAS.
- 6. AREAS OF TEMPORARY EXCAVATION MUST BE RESTORED WITH NATIVE, INDIGENOUS SPECIES. THE EMBANKMENTS MUST BE RESTORED WITH NATIVE VEGETATION AND STABILIZED.
- 7. ALL SUBSTRATE REMOVED FROM CONSTRUCTION ACTIVITIES, MUST BE STOCKPILED OUTSIDE THE STATE OPEN WATERS.



REMINGTON & VERNICK **ENGINEERS**

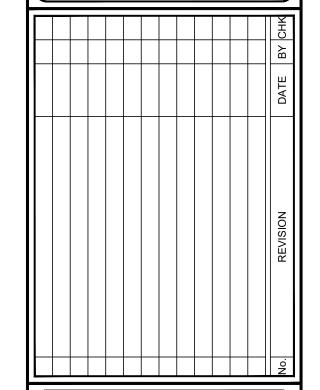
2059 SPRINGDALE ROAD CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300 ~ENGINEERING EXCELLENCE~

FRANK J. SENEY JR NJ PROFESSIONAL ENGINEER LIC. No. 3532

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

ALL DOCUMENTS PREPARED BY REMINGTON & VERNIC

ENGINEERS AND AFFILIATES ARE INSTRUMENTS C SERVICE IN RESPECT OF THE PROJECT. THEY ARE NO NTENDED OR REPRESENTED TO BE SUITABLE FOR REUS BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHO WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIF PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AN WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGT & VERNICK ENGINEERS AND AFFILIATES; AND OWNE SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON DAMAGES, LOSSES AND EXPENSES ARISING OUT OF O RESULTING THEREFROM



.NO

.18) #20 E BRIDGE (EL-' STRUCTURE # AVENUE STATE S O O

DRAWN BY: DESIGN BY: CHECKED BY: SCALE: ZRN/MHM | AIF/CJR FJS AS NOTED SHEET No.: 09/05/2024 6 OF 18 JOB No.: 2000F021

INLET FILTER TYPE 2, 2' x 4' TO BE CONSTRUCTED

PLAN KEY AND LEGEND

—

	TO BE CONSTRUCTED			
ITEM NO.	DESCRIPTION	UNIT	PLAN	AS-BUILT
THEIVING.	DESCRIPTION	ONII	QUANTITY	QUANTITY
2	SILT FENCE	L.F.	300	
4	INLET FILTER TYPE 2, 2' X 4'	UNIT	4	
5	FLOATING TURBIDITY BARRIER, TYPE 2	L.F.	140	

FLOATING TURBIDITY BARRIER, TYPE 2

SILT FENCE

UNION COUNTY SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
- 2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND
- SEDIMENT CONTROL IN NEW JERSEY. 3. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
- 4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF
- SEDIMENT FROM THE CONSTRUCTION SITE. 5. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE NJ STANDARDS AT THE RATES AS SPECIFIED ON THIS PLAN. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NJ STANDARDS (I.E., PEG AND TWINE,
- MULCH NETTING, OR LIQUID MULCH BINDER). 6. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER, AND SEED APPLICATION AND RATES OF APPLICATION AT THE
- REQUEST OF THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT. 7. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS, IMMEDIATELY FOLLOWING ROUGH GRADING.
- 8. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL
- 9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A
- 10. A CRUSHED STONE, TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ENTRANCE EXISTS. THE STABILIZED PAD WILL BE INSTALLED ACCORDING TO THE STANDARDS FOR STABILIZED CONSTRUCTION ACCESS
- 11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2-1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- 12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

REGULAR BASIS AND AFTER EVERY STORM EVENT.

- 13. ALL CATCH BASIN WILL BE PROTECTED ACCORDING TO THE CERTIFIED PLAN.
- 14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL). THE BASIN MUST BE DEWATERED TO NORMAL POOL WITHIN 10 DAYS OF THE DESIGN STORM.
- 16. NJSA 4:24-39, ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PRE-REQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- 17. MULCHING IS REQUIRED ON ALL SEEDED AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATION COVER.
- 18. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL INSPECTOR
- 19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
- 20. THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
- 21. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS
- 22. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, THE STOCKPILE MUST BE STABILIZED ACCORDING TO THE STANDARD FOR TEMPORARY VEGETATIVE COVER. STABILIZE TOPSOIL PILE WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING. ALL SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY AND THE BASE MUST BE PROTECTED WITH A SEDIMENT BARRIER.
- 23. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE UNION/SOMERSET COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE
- CURRENT NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. METHODS FOR THE MANAGEMENT OF HIGH ACID PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE
- THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A pH OF 4 OR LESS. TEMPORARY AND PERMANENT SEEDING MEASURES MUST BE APPLIED ACCORDING TO THE NJ STANDARDS, AND MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NJ STANDARDS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BINDER)
- 26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE COSTRUCTED
- STEEPER THAN 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT. DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE NJ STANDARDS AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
- 28. ADJOINING PROPERTY SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
- 29. USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.
- 30. ALL VEGETATIVE MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK OF THE AMERICAN ASSOCIATION OF THE NURSERYMEN AND IN ACCORDANCE WITH THE NJ STANDARDS.
- 31. NATURAL VEGETATION AND SPECIES SHALL BE RETAINED WHERE SPECIFIED ON THE LANDSCAPE PLAN.
- 32. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT INSPECTOR.

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

- 1. SITE PREPARATION
- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING
- B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

2. SEEDBED PREPARATION

A. APPLY LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50%

CALCIUM PLUS MAGNESIUM OXIDES)	AS FOLLOWS: `	
SOIL TEXTURE CLAY, CLAY LOAM, AND HIGH	TONS/ACRE 3	LBS./1000 SQFT 135
ORGANIC SOIL SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE

- B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE QUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON TH ENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED
- C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AS ABOVE.
- D. SOILS HIGH ON SULFIDES OR HAVING A pH OF 4 OR LESS SHOULD BE MULCHED ONLY.

- A. SEE TEMPORARY SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
- B. APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDROSEEDER TANK WITH SEED. SEED SHALL BE INCORPORATED INTO THE SOIL BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED
- C. AFTER SEEDING, FIRMING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING

MULCHING IS REQUIRED ON ALL SEEDING.

4. MULCHING

- A. MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH— BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS' MUST NOT GRIND THE MATERIAL.
- B. <u>SPREAD UNIFORML</u>Y BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90
- C. <u>MULCH ANCHORING</u> SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS,
- DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. . <u>PEG AND TWINE</u>— DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
- . <u>MULCH NETTING</u>— STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 3. <u>CRIMPER(MULCH ANCHORING TOOL)</u>— A TRACTOR—DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH' 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PAR STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
- D. WOOD—FIBER OR PAPER—FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

TEMPORARY SEEDING MIXTURE

THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE COVER ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE. COMMON NAME PERENNIAL RYE GRASS BOTANICAL NAME LOLIUM PENENNE

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE ONE (1) POUND/1000 SQUARE FEET OR 44 POUNDS/ACRE. RECOMMENDED SEEDING PERIODS ARE MARCH 1-MAY 15 AND AUGUST 15-OCTOBER 1. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

1. SITE PREPARATION

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MAINTENANCE
- B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

2. SEEDBED PREPARATION

A. APPLY LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	TONS/ACRE 4	LBS./1000 SQ. FT. 180
SANDY LOAM, LOAM, SILT LOAM	3	135
LOAMY SAND, SAND	2	90

PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.

- B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COURSE SANDS SHOULD BE ROLLED FIRM THE SEEDBED WHEREVER FEASIBLE.
- C. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL. D. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.
- SEEDING
- A. SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES. B. APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDING,
- DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL. C. AFTER SEEDING, FIRMING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING

4. MULCHING

- MULCHING IS REQUIRED ON ALL SEEDING.
- A. <u>MULCH MATERIALS</u> SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERÉ A CRIMPER IS USED INSTÈAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
- B. <u>SPREAD UNIFORMLY</u> BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND—SPREAD MULCH IVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90
- C. MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. . <u>PEG AND TWINE</u>— DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN
- PEGS IN A CRISS-CROSS AND SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS. . <u>MULCH NETTING</u>— STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 3. CRIMPER(MULCH ANCHORING TOOL)— A TRACTOR—DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED
- D. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

IRRIGATION

A. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE PERFORMED IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.

A. SPRING SEEDING WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-10-10 OR

- EQUIVALENT AT 400 POUNDS PER ACRE OR 10 POUNDS PER 1,000 SQUARE FEET BETWEEN SEPTEMBER 1 AND OCTOBER 15
- B. FALL SEEDING WILL REQUIRE THE ABOVE BETWEEN MARCH 15 AND MAY 1
- C. MIXTURES DOMINATED BY WEEPING LOVEGRASS OR LEGUMES MAY NOT NEED TOPDRESSING. * IF SLOW RELEASE NITROGEN (300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT) IS USED IN ADDITION TO SUGGESTED FERTILIZER, THIS FOLLOW-UP OF TOP DRESSING IS NOT

PERMANENT SEEDING MIXTURE (DRY)

SUCCESSFUL GERMINATION.

THIS SEEDING MIXTURE IS COMPOSED OF DROUGHT-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS <u>RECLAIM CONSERVATION</u>

MIX-DRY FORMULA AS MANUFACTURED BY <u>LOFTS</u>, INC., BOUND BROOK, N.J. 08805, (800)526-3890.

A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

INE OI	EQUIL QUILLIT WITH DE SODSTITUTED	II /II NOVED BY CON CITICE.
<u> </u>	COMMON NAME	BOTANICAL NAME
) ; ;)	CLEMFINE TALL FESCUE WEEPING LOVEGRASS RELIANT HARD FESCUE JAMESTOWN CHEWINGS FESCUE PALMER PERENNIAL RYE WHITE CLOVER BLACKWELL SWITCHGRASS	FESTUCA ARUNDINACEA "CLEMFINE" ERAGRASTIS CURVULA FESTUCA LONGIFOLIA "RELIANT" FESTUCA RUBRA VAR. COMMUTATA "JAMESTOWN" LOLIUM PERENNE "PALMER" TRIFOLIUM REPENS PANICUM VIRGATUM "BLACKWELL"

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 175 POUNDS/ACRE. RECOMMENDED SEEDING PERIODS ARE APRIL 1-MAY 31 AND AUGUST 16-OCTOBER 15

SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE

TOPSOIL SHOULD BE USED WHERE SOILS ARE: SANDS, GRAVELY SOILS, CLAYS, SILTY CLAYS VERY SHALLOW, OR WHERE THEY ARE EXTREMELY ACID (LESS THAN pH4.0) OR SALTY ACTIVITY GREATER THAN 1.0 MILLIMHOS PER CENTIMETER); OR WHERE TOPSOIL IS AVAILABLE ON SITE AND ASSURANCE OF IMPROVED VEGETATIVE GROWTH IS DESIRED.

MATERIALS A. TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A pH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER). TOPSOIL HAULED IN FROM OFF SITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC

- MATTER CONTENT MAY BE RAISED BY ADDITIVES.
- 2. STRIPPING AND STOCKPILING
- A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND/OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
- B. STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDBED PREPARATION FOR PERMANENT VEGETATIVE COVER.
- D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR
- E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
- F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH TEMPORARY SEEDING STANDARDS PREVIOUSLY DESCRIBED HEREIN. 3. SITE PREPARATION
- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE B. SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT AND LIMESTONE, IF NEEDED, SHOULD BE
- APPLIED TO BRING SOIL pH TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES. C. IMMEDIATELY PRIOR TO TOPSOIL DISTRIBUTION, THE SURFACE SHOULD BE SCARIFIED TO
- PROVIDE A GOOD BOND WITH THE TOPSOIL. D. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.

A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY. B. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED. SOILS WITH A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A pH OF 5.0 OR MORE.

- 1. TEMPORARY STABILIZATION ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 30 DAYS SHOULD RECEIVE TEMPORARY STABILIZATION, ACCORDING TO THE TEMPORARY VEGETATIVE COVER SPECIFICATIONS.
- 2. PERMANENT STABILIZATION ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDED WITHIN 10 DAYS OF FINAL GRADING, ACCORDING TO THE PERMANENT SEEDING SPECIFICATIONS.

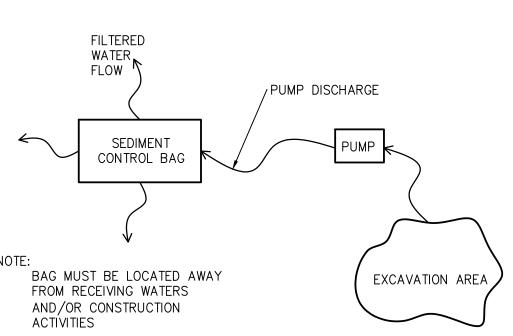
TOTAL AREA OF DISTURBANCE: 0.103 ACRE

1. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE.

PROPOSED SEQUENCE OF DEVELOPMENT

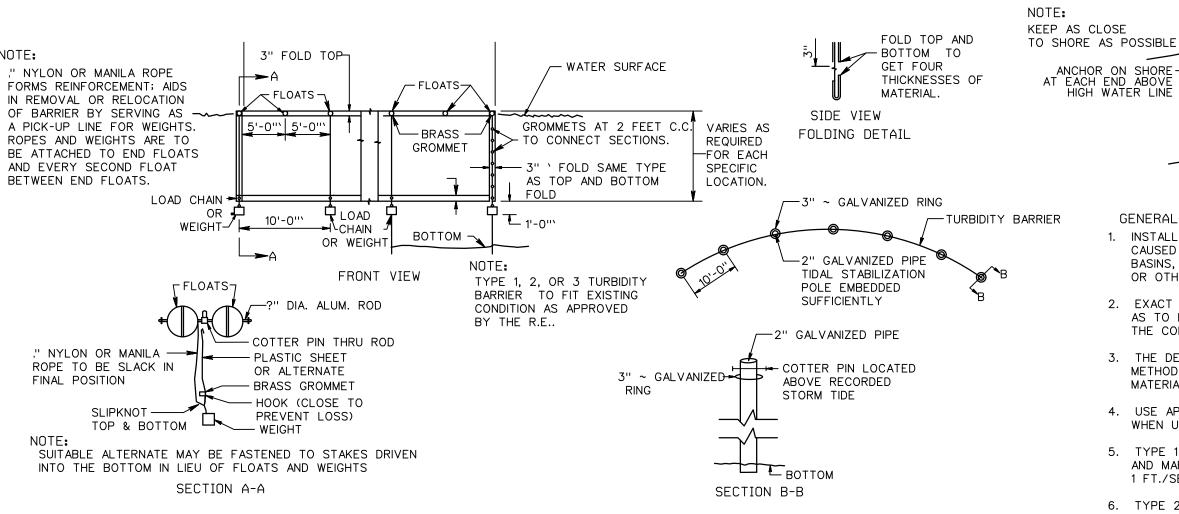
- 2. DISTURB ONLY THE MINIMUM AREA NEEDED TO INSTALL SILT FENCE AND TREE PROTECTION FENCE AT THE DRIPLINE OF ALL TREES SHOWN TO REMAIN. NO CONSTRUCTION ACCESS OR STORAGE
- SHALL BE PERMITTED WITHIN THESE PROTECTION AREAS. 3. CLEAR AND GRUB ALL TREES IN THE IMMEDIATE AREAS OF CONSTRUCTION. ALL VEGETATION TO REMAIN SHALL BE PROPERLY PROTECTED. STRIP TOPSOIL AND STOCKPILE WHERE SHOWN.
- TEMPORARILY STABILIZE STOCKPILE WITH SEED.
- 4. GENERAL AND PRELIMINARY GRADE THOSE AREAS TO BE DEVELOPED. 5. CONSTRUCT PROPOSED STRUCTURES, CURBS, SIDEWALKS, AND STORMWATER APPURTENANCES.
- 6. INSTALL SUB-BASE COURSE IMMEDIATELY FOLLOWING PRELIMINARY GRADING AND INSTALLATION OF
- IMPROVEMENTS IN ORDER TO STABILIZE PAVEMENT AREA. 7. FINE GRADE ALL PAVEMENT AREAS AND INSTALL SURFACE COURSE PAVEMENT.
- 8. STABILIZE THE SITE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING.

9. REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.



BAGS MUST BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. BAGS MAY NOT BE

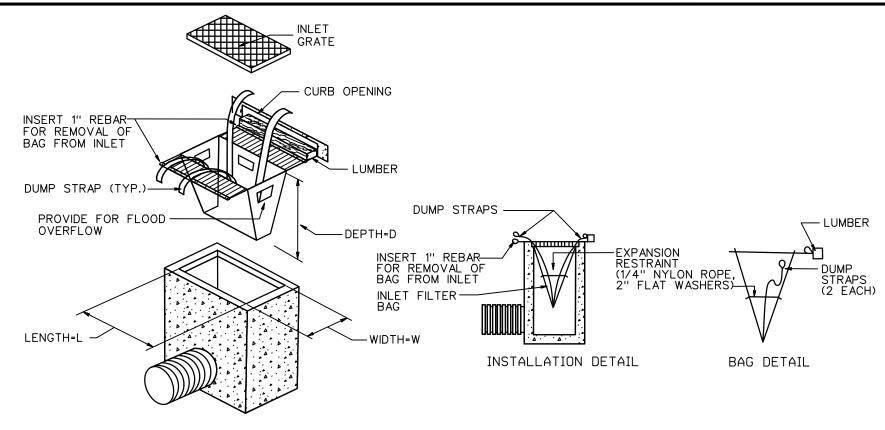
SEDIMENT CONTROL BAG FOR DEWATERING



CLEAN STONE

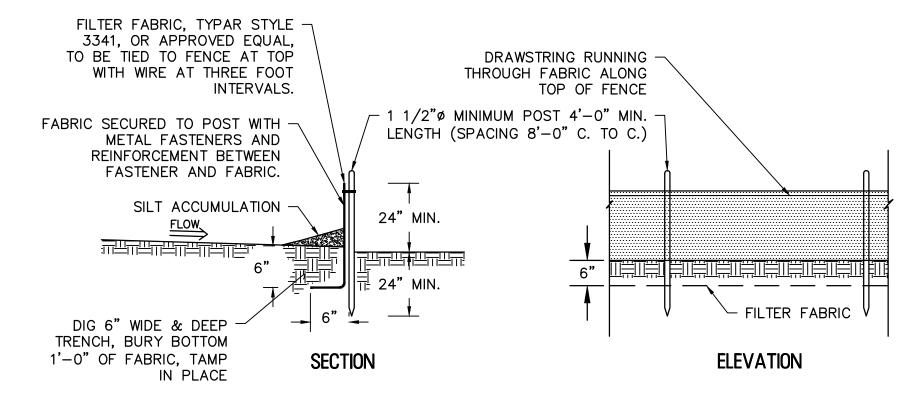
BEFORE

FLOATING TURBIDITY BARRIER

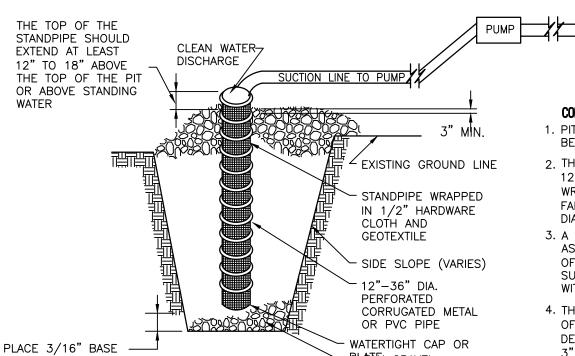


INLET FILTERS, TYPE 2

CD-158-2.5



N.T.S.



INSTALLING STNDPIPE SUMP PUMP DETAIL STANDARD FOR DEWATERING

· PLEAN GRAVEL

CONSTRUCTION SPECIFICATIONS: 1. PIT DIMENSIONS ARE VARIABLE. WITH THE MINIMUM DIAMETER

SHORE -

TYPICAL

SUBMARINE

CABLE

EXCAVATION OF

APPLICATION * DO NOT SPAN

SEDIMENT CONTROL SHOW WATER BAG FLOW

- BEING 2 TIMES TH STANDPIPE DIAMETER. 2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12" TO 24" DIAMETER CORRUGATED OR PVC PIPE. THEN WRAPPING WITH 1/2" HARDWARE CLOTH AND GEOTEXTILE FABRIC. THE PERFORATIONS SHALL BE 1/2"x6" SLITS OR 1"
- 3. A BASE OF FILTER MATERIAL CONSISTING OF CLEAN GRAVEL OR ASTM C33 STONE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE. THE PIT SURROUNDING THE STANDPIPE SHOULD THEN BE BACKFILLED WITH THE SAME FILTER MATERIAL.
- 4. THE STANDPIPE SHOULD EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT OR THE RISER CREST ELEVATION (BASIN DEWATERING ONLY) AND THE FILTER MATERIAL SHOULD EXTEND 3" MINIMUM ABOVE THE ANTICIPATED STANDING WATER ELEVATION.
- 5. LOCATE AS REQUIRED (REMOVABLE PUMPING STATION)
- 6. PITS MAY BE RELOCATED TO OPTIMIZE USE, BUT DISCHARGE LOCATION CHANGES MUST BE COORDINATED WITH MERCER COUNTY SOIL CONSERVATION DISTRICT. SEDIMENT CONTROL BAGS MAY NOT BE REUSED AND MUST BE LOCATED AWAY FROM CONSTRUCTION ACTIVITIES AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

 O

WET AREAS GENERAL NOTES: INSTALL TURBIDITY BARRIER TO PREVENT DRIFTING OF SILT CAUSED BY DISCHARGE OF STORM SEWERS, DEWATERING BASINS, CONSTRUCTION, DREDGING OR FILLING OPERATIONS, OR OTHER ACTIVITIES THAT COULD CAUSE TURBIDITY.

BODY OF WATER

DISCHARGE POINT

SHORE LINE OR DIKE

WATERCOURSE

2. EXACT PLACEMENT OF TURBIDITY BARRIER SHALL BE SO AS TO EFFECTIVELY CONTROL SILT DISPERSION UNDER THE CONDITIONS PRESENT ON A PARTICULAR PROJECT.

3. THE DETAILS SHOWN ON THIS SHEET ARE SUGGESTED METHODS ONLY. ALTERNATE SOLUTION AND USAGE OF MATERIALS MAY BE USED AS APPROVED.

4. USE APPROPRIATE NAVIGATIONAL WARNING LIGHTS WHEN USED NEXT TO NAVIGATIONAL CHANNEL. 5. TYPE 1 IS FOR PONDS, SHALLOW LAKES, SMALL STREAMS AND MARSHES WITH CURRENT VELOCITIES LESS THAN

1 FT./SEC AND SHELTERED FROM WINDS. 6. TYPE 2 IS FOR LAKES, STREAMS, INTERCOASTAL & TIDAL AREAS WITH CURRENT VELOCITIES UP TO 5 FT./SEC.

7. TYPE 3 IS FOR LAKES, STREAMS, INTERCOASTAL AND TIDAL AREAS WITH CONSIDERABLE CURRENT VELOCITIES UP TO 5FT./SEC., TIDAL ACTION AND SUBJECT TO WIND AND WAVES.



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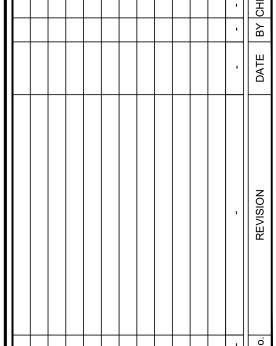
H XUM FRANK J. SENEY JR

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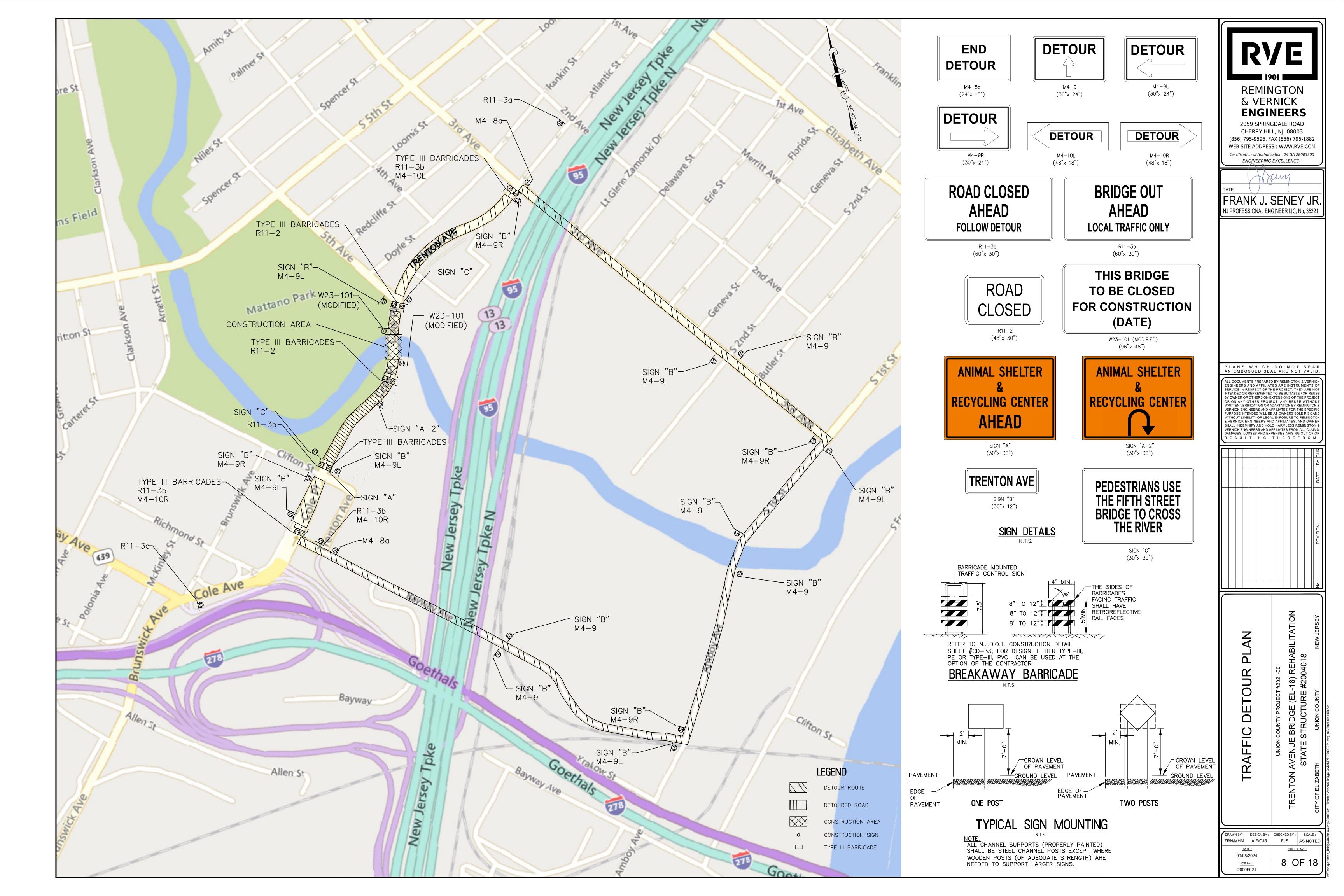
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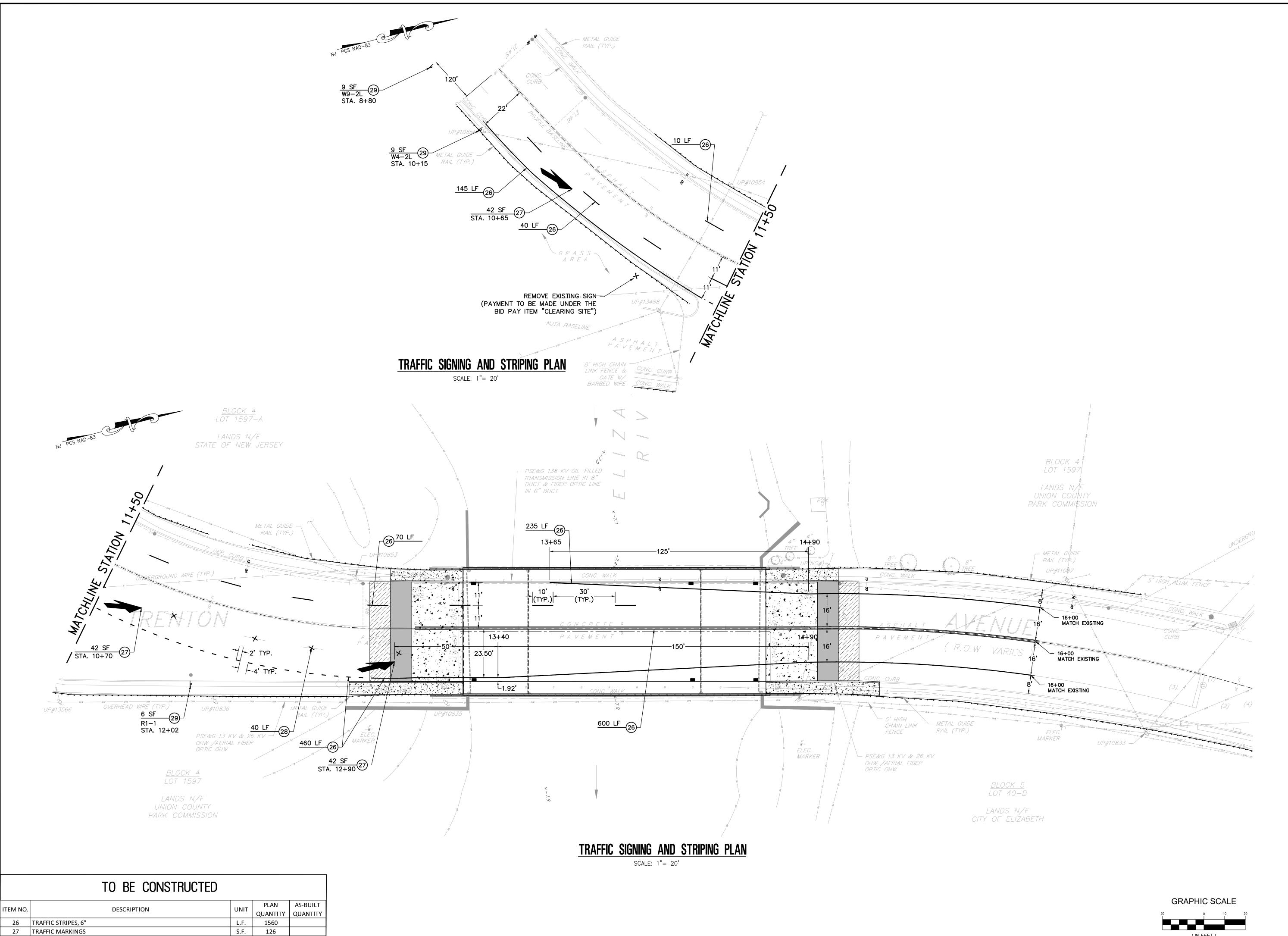
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28 REMOVAL OF TRAFFIC STRIPES

29 REGULATORY AND WARNING SIGN

L.F.

S.F. 25

40

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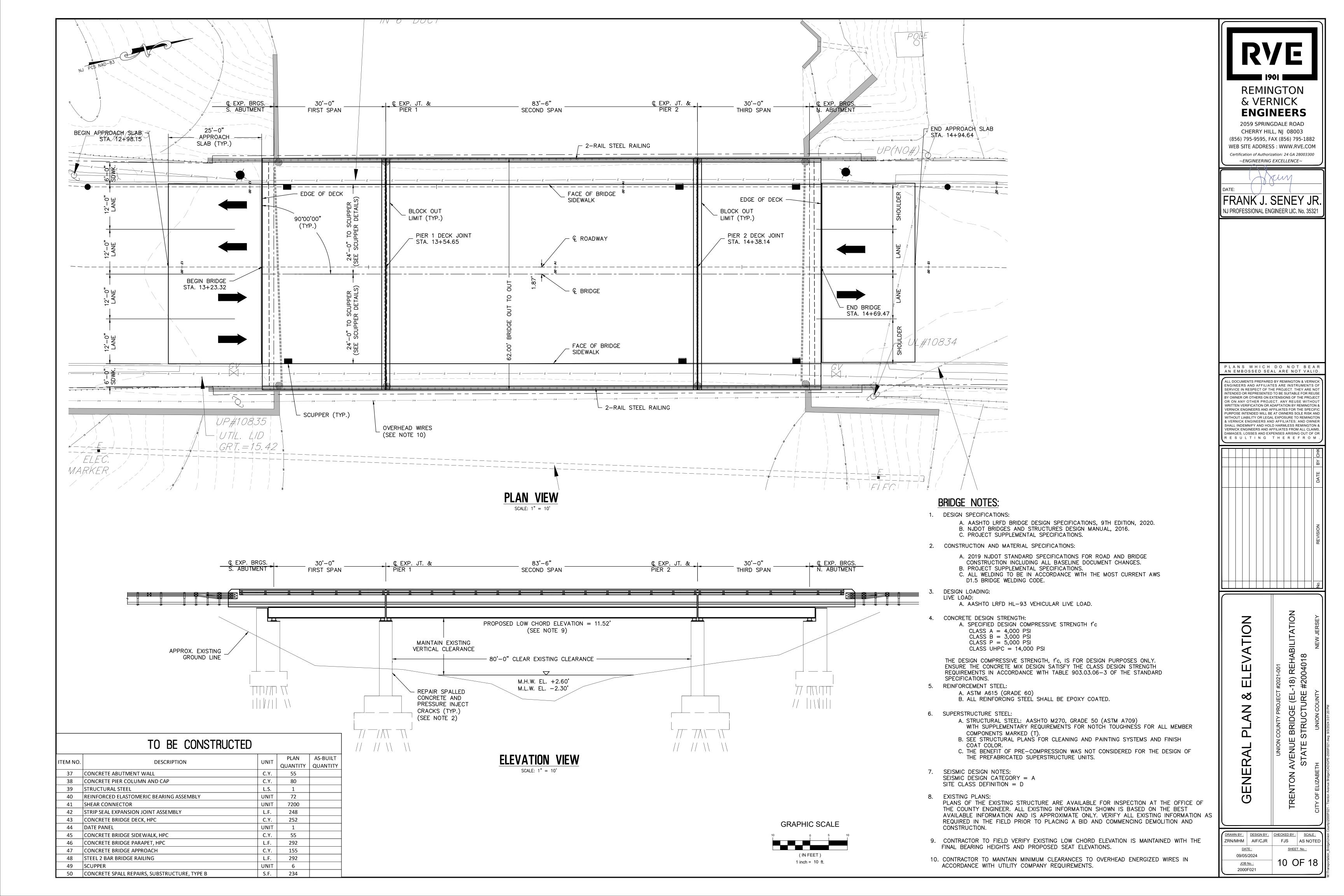
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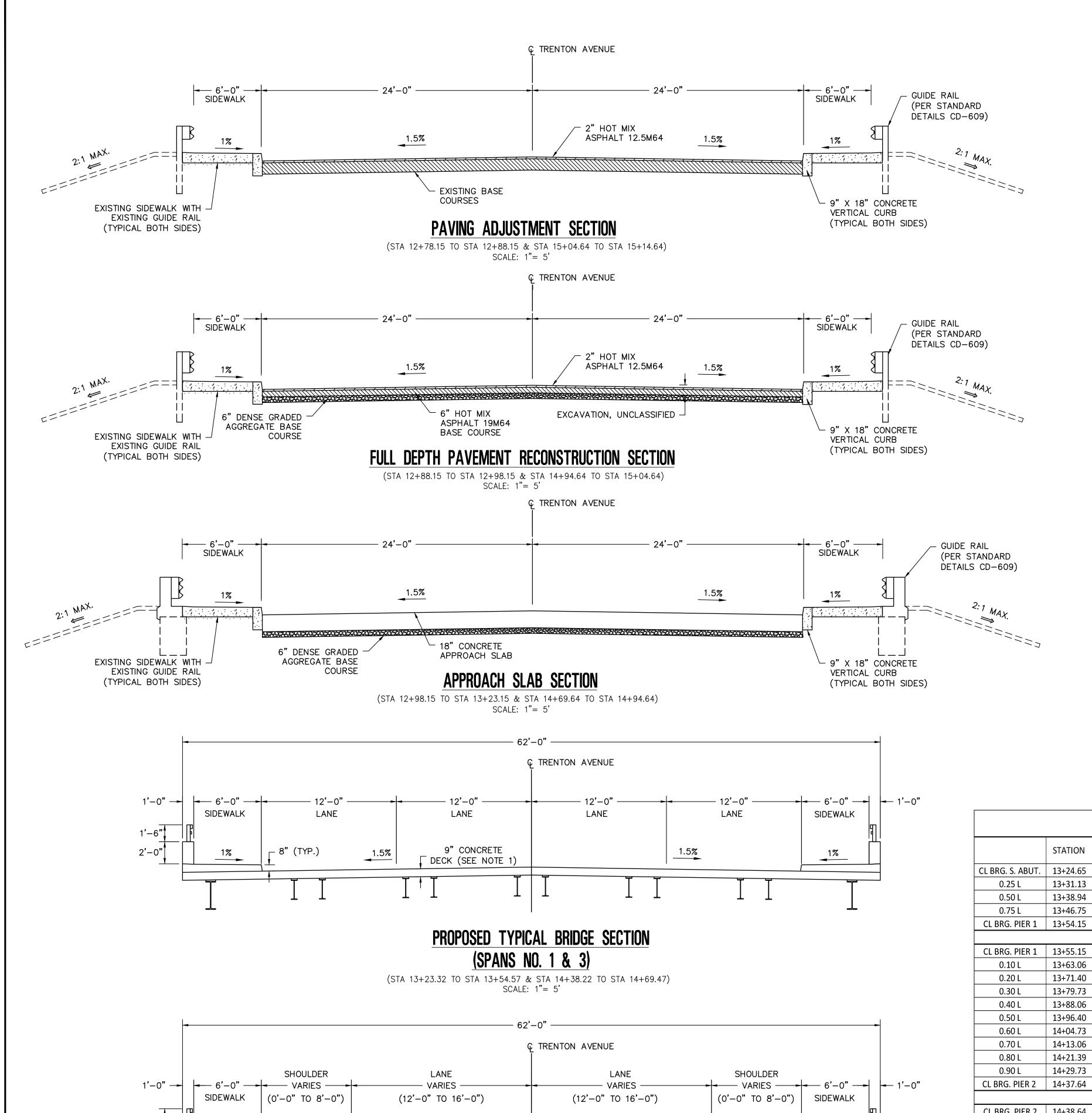
SILITATION AND

ENTON

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1 inch = 20 ft.





9" CONCRETE
DECK (SEE NOTE 1)

PROPOSED TYPICAL BRIDGE SECTION

(SPAN NO. 2)

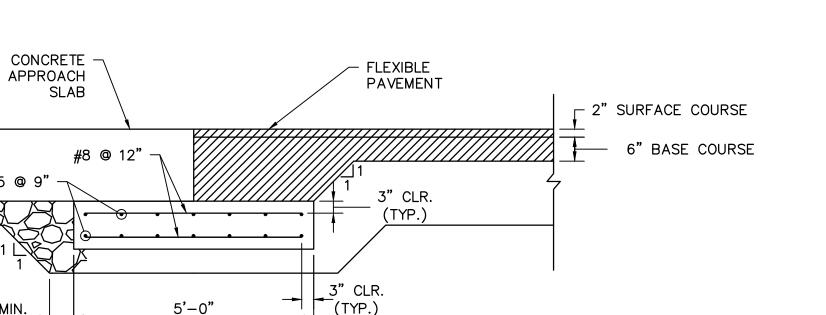
(STA 13+54.73 TO STA 14+38.06) SCALE: 1"= 5'

1%

1.5%

1%

- 1. CONCRETE BRIDGE DECK TO BE CAST 9½"
 THICK. FOLLOWING CURING OF UHPC DECK JOINTS, ENTIRE DECK SURFACE WILL BE MILLED TO FINAL PROFILE.
- 2. EXCAVATE TO REQUIRED SUBGRADE ELEVATIONS AND DISPOSE OF EXCESS MATERIAL, TO BE PAID UNDER "EXCAVATION. UNCLASSIFIED" ITEM.
- 3. SLEEPER SLAB TO BE PAID FOR UNDER "CONCRETE BRIDGE APPROACH".



SLEEPER SLAB DETAIL

6" SUBBASE

(TYP.)

6" MIN.

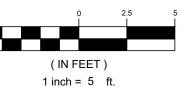
(TYP.)

SCALE: 1" = 2'

SLEEPER SLAB

	DECK ELEVATION TABLE (LOOKING UPSTATION)												
	STATION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5	BEAM 6	BEAM 7	BEAM 8	BEAM 9	BEAM 10	BEAM 11	BEAM 12
	STATION	ELEVATION											
CL BRG. S. ABUT.	13+24.65	15.17	15.28	15.32	15.43	15.47	15.58	15.58	15.47	15.43	15.32	15.28	15.17
0.25 L	13+31.13	15.25	15.36	15.40	15.51	15.55	15.66	15.66	15.55	15.51	15.40	15.36	15.25
0.50 L	13+38.94	15.33	15.44	15.48	15.59	15.63	15.74	15.74	15.63	15.59	15.48	15.44	15.33
0.75 L	13+46.75	15.39	15.50	15.54	15.65	15.69	15.80	15.80	15.69	15.65	15.54	15.50	15.39
CL BRG. PIER 1	13+54.15	15.43	15.54	15.58	15.69	15.73	15.84	15.84	15.73	15.69	15.58	15.54	15.43
CL BRG. PIER 1	13+55.15	15.43	15.54	15.58	15.69	15.73	15.84	15.84	15.73	15.69	15.58	15.54	15.43
0.10 L	13+63.06	15.45	15.56	15.60	15.71	15.75	15.86	15.86	15.75	15.71	15.60	15.56	15.45
0.20 L	13+71.40	15.46	15.57	15.61	15.72	15.76	15.87	15.87	15.76	15.72	15.61	15.57	15.46
0.30 L	13+79.73	15.45	15.56	15.60	15.71	15.75	15.86	15.86	15.75	15.71	15.60	15.56	15.45
0.40 L	13+88.06	15.42	15.53	15.57	15.68	15.72	15.83	15.83	15.72	15.68	15.57	15.53	15.42
0.50 L	13+96.40	15.37	15.48	15.52	15.63	15.67	15.78	15.78	15.67	15.63	15.52	15.48	15.37
0.60 L	14+04.73	15.33	15.44	15.48	15.59	15.63	15.74	15.74	15.63	15.59	15.48	15.44	15.33
0.70 L	14+13.06	15.29	15.40	15.44	15.55	15.59	15.70	15.70	15.59	15.55	15.44	15.40	15.29
0.80 L	14+21.39	15.25	15.36	15.40	15.51	15.55	15.66	15.66	15.55	15.51	15.40	15.36	15.25
0.90 L	14+29.73	15.21	15.32	15.36	15.47	15.51	15.62	15.62	15.51	15.47	15.36	15.32	15.21
CL BRG. PIER 2	14+37.64	15.17	15.28	15.32	15.43	15.47	15.58	15.58	15.47	15.43	15.32	15.28	15.17
CL BRG. PIER 2	14+38.64	15.16	15.27	15.31	15.42	15.46	15.57	15.57	15.46	15.42	15.31	15.27	15.16
0.25 L	14+46.03	15.13	15.24	15.28	15.39	15.43	15.54	15.54	15.43	15.39	15.28	15.24	15.13
0.50 L	14+53.85	15.09	15.20	15.24	15.35	15.39	15.50	15.50	15.39	15.35	15.24	15.20	15.09
0.75 L	14+61.66	15.05	15.16	15.20	15.31	15.35	15.46	15.46	15.35	15.31	15.20	15.16	15.05
CL BRG. N. ABUT.	14+68.14	15.02	15.13	15.17	15.28	15.32	15.43	15.43	15.32	15.28	15.17	15.13	15.02

GRAPHIC SCALE



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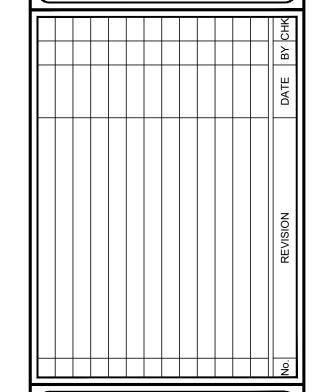
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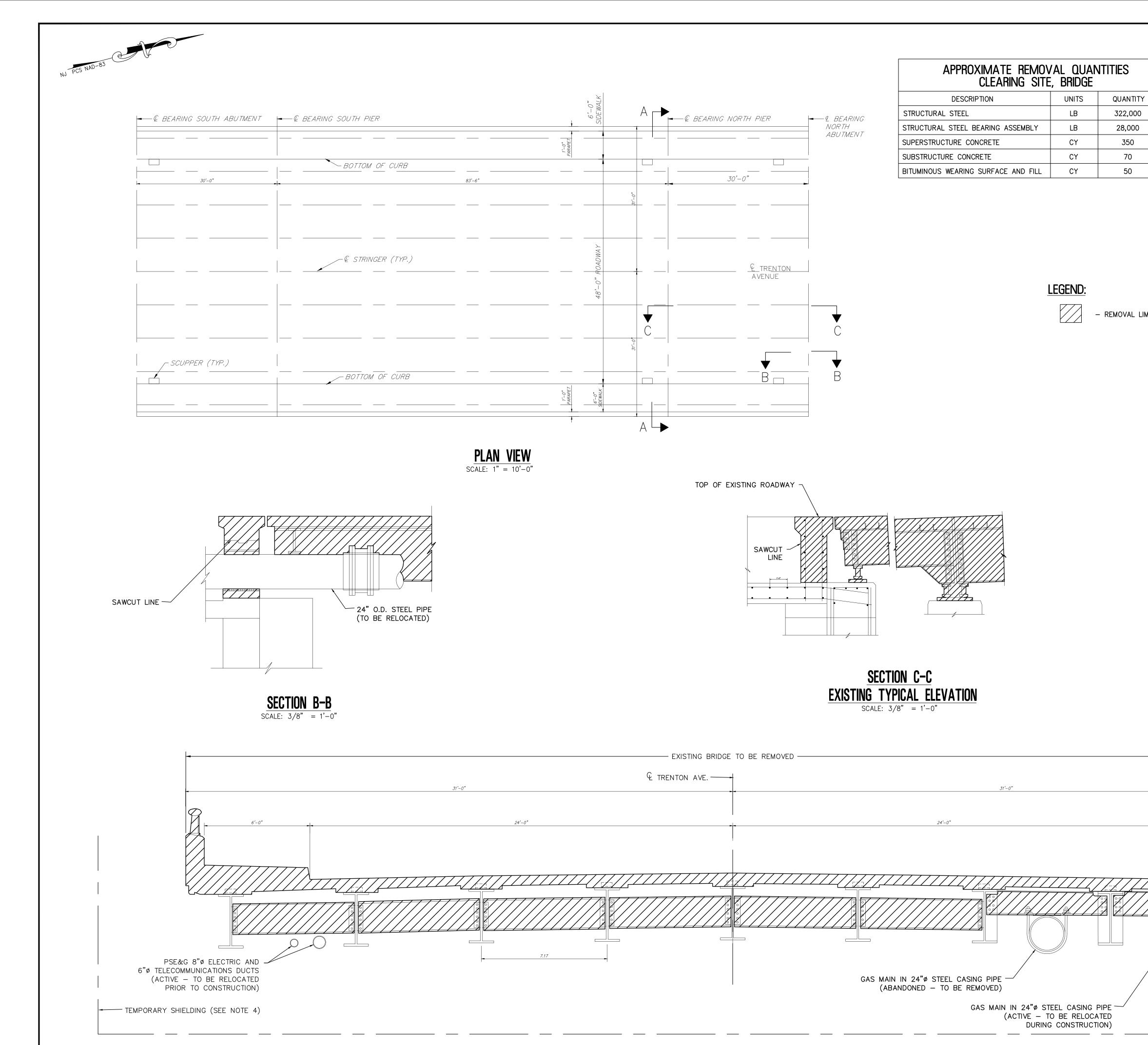
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(EL-18) REHABILITATION JRE #2004018 & BRIDGE S SECTIONS

RENTON AVENUE E STATE S

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DEMOLITION NOTES:

1. THE INFORMATION SHOWN ON THIS PLAN WAS TAKEN FROM THE EXISTING PLANS AVAILABLE AT THE OFFICE OF THE COUNTY ENGINEER AND IS FOR INFORMATIONAL PURPOSES ONLY. THE DATA SHOWN IS NOT GUARANTEED TO BE CORRECT, AND IS NOT INTENDED TO BE COMPLETE OR INCLUSIVE. VISIT THE SITE PRIOR TO SUBMITTING BIDS TO ESTABLISH THE FULL EXTENT OF THE WORK.

2. REMOVAL QUANTITIES ARE NOT GUARANTEED. THEY ARE PROVIDED BASED ON THE

3. VERIFY THE LOCATION OF ALL EXISTING BRIDGE-MOUNTED AND AERIAL UTILITIES

TEMPORARY SHIELDING, IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATION

EXISTING PLANS AND ARE FOR INFORMATIONAL PURPOSES ONLY.

PRIOR TO COMMENCING DEMOLITION. 4. INSTALL TEMPORARY SHIELDING PRIOR TO BEGINNING DEMOLITION. DESIGN

DURING DEMOLITION ACTIVITIES, TAKE EXTREME CARE SO AS NOT TO DROP DEBRIS INTO THE WATERWAY. IMMEDIATELY RETRIEVE ANY DEBRIS DROPPED INTO THE

6. SUBMIT WORKING DRAWINGS OF THE TEMPORARY SHIELDING SYSTEM SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF NEW JERSEY FOR APPROVAL PRIOR TO INITIATING ANY DEMOLITION ACTIVITIES. INCLUDE THE COST UNDER THE PAY ITEM "TEMPORARY SHIELDING".

7. AFTER DEMOLITION OF THE EXISTING SUPERSTRUCTURE, CLEAN THE REMAINING PORTIONS OF THE EXISTING ABUTMENT OF ALL DEBRIS AND PREPARE THE CONCRETE FOR EPOXY WATERPROOFING. INCLUDE COSTS ASSOCIATED WITH CLEANING UNDER THE PAY ITEMS, "CLEARING SITE, BRIDGE".

8. THE EXISTING BRIDGE PAINTING SYSTEM MAY CONTAIN LEAD BASED PAINT. CONTAINMENT AND DISPOSAL OF LEAD PAINTS TO BE IN ACCORDANCE WITH SECTION 554 OF THE STANDARD SPECIFICATIONS. INCLUDE ALL COST ASSOCIATED WITH LEAD REMOVAL LIMITS BASED PAINT, IF ENCOUNTERED, UNDER THE PAY ITEM "CLEARING SITE, BRIDGE".

> 9. PROVIDE A NEAT LIMIT OF DEMOLITION WITH A SAW CUT AT OUTSIDE FACES. INCLUDE SAW CUTTING IN THE PAY ITEM "CLEARING SITE, BRIDGE".

10. EXERCISE CARE DURING REMOVAL OPERATIONS SO AS NOT TO DAMAGE ANY MATERIALS TO REMAIN. REPAIR ANY DAMAGED MATERIALS TO REMAIN TO THE SATISFACTION OF THE RE AT NO ADDITIONAL COST TO THE COUNTY.

11. ANY EXISTING REINFORCEMENT THAT IS BROKEN, MISSING, OR HAS LOST 25% OF THE ORIGINAL CROSS SECTIONAL AREA SHALL BE SUPPLEMENTED BY PROVIDING NEW BARS OF THE SAME DIAMETER. AS DIRECTED BY THE ENGINEER, THE SUPPLEMENTAL BARS SHALL EITHER BE WELDED TO THE EXISTING BARS, OR IF THE REPAIR IS OF SUFFICIENT LENGTH, LAP SPLICED TO THE EXISTING BARS. REINFORCEMENT SHALL BE EMBEDDED TO A MINIMUM OF 9" IN SOUND CONCRETE @ 12" MAXIMUM SPACING.

12. SUBMIT DEMOLITION WORKING PLANS, INCLUDING THE METHOD AND DESIGN OF DEMOLITION WORK, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY. DEMOLITION WORK MAY NOT BEGIN UNTIL THE SUBMITTAL HAS BEEN APPROVED.

13. TAKE ANY NECESSARY EXISTING MEASUREMENTS, ELEVATIONS, ETC. AND PERFORM A SURVEY OF THE BRIDGE TO PERFORM ALL DEMOLITION AND CONSTRUCTION ACTIVITIES, INCLUDE ALL COST UNDER THE PAY ITEM "CLEARING SITE, BRIDGE"

14. DEMOLISH THE EXISTING ABUTMENT BACKWALLS TO THE LIMITS SHOWN ON THE PLAN. PRIOR TO BEGINNING DEMOLITION, VERIFY WITH SURVEY THAT DEMOLITION LIMITS CAN ACCOMMODATE ALL PROPOSED CONSTRUCTION. MODIFY ELEVATIONS AS NECESSARY AND INCLUDE FINAL ELEVATIONS IN DEMOLITION WORKING PLANS FOR REVIEW.

15. INCLUDE ANY WORK RELATED TO DEMOLITION ACTIVITIES AND DISPOSAL OF DEMOLITION MATERIALS UNDER THE PAY ITEM "CLEARING SITE, BRIDGE".

16. INCLUDE THE COST OF ANY EXCAVATION REQUIRED TO DEMOLISH THE EXISTING ABUTMENT BACKWALLS UNDER THE PAY ITEM "CLEARING SITE, BRIDGE".

17. FOR CONSTRUCTION SEQUENCING, INSTALL PANELS N1-N4, N7-N10, N13-N16 AS PART OF STAGE ONE. ALLOW PSE&G AND GAS UTILITIES TO RELOCATE THEIR FACILITIES ONTO THE STRUCTURE-MOUNTED UTILITY HANGER SYSTEMS. ONCE THE GAS MAIN IS FULLY INACTIVE, FINISH DEMOLITION OF REMAINING SUPERSTRUCTURE. INSTALL PANELS N5-N6, N11-N12, N17-N18 AS PART OF STAGE TWO.

(TYP.)

TEMPORARY SHIELDING (SEE NOTE 4) _____

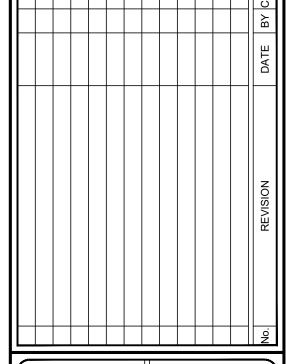
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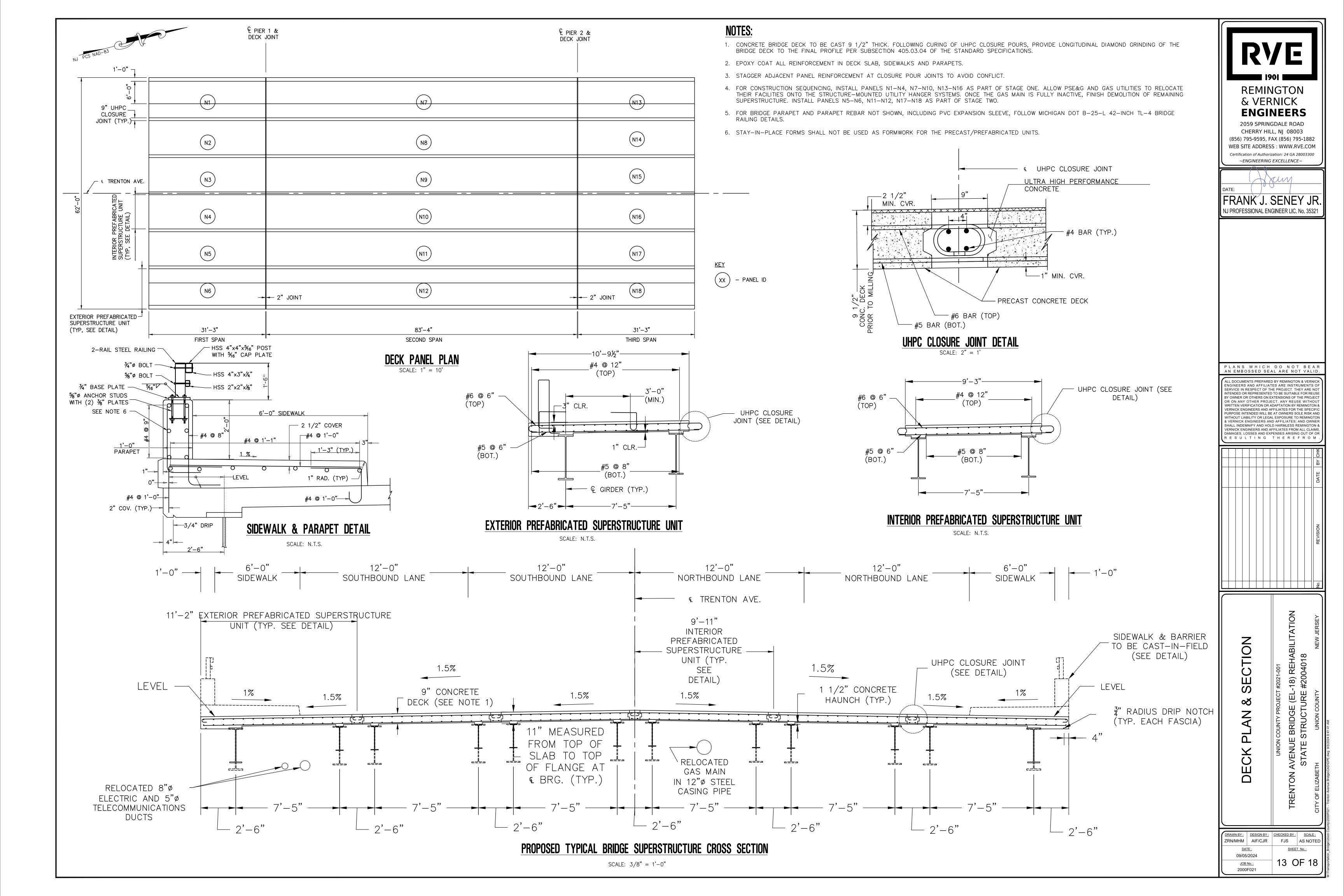
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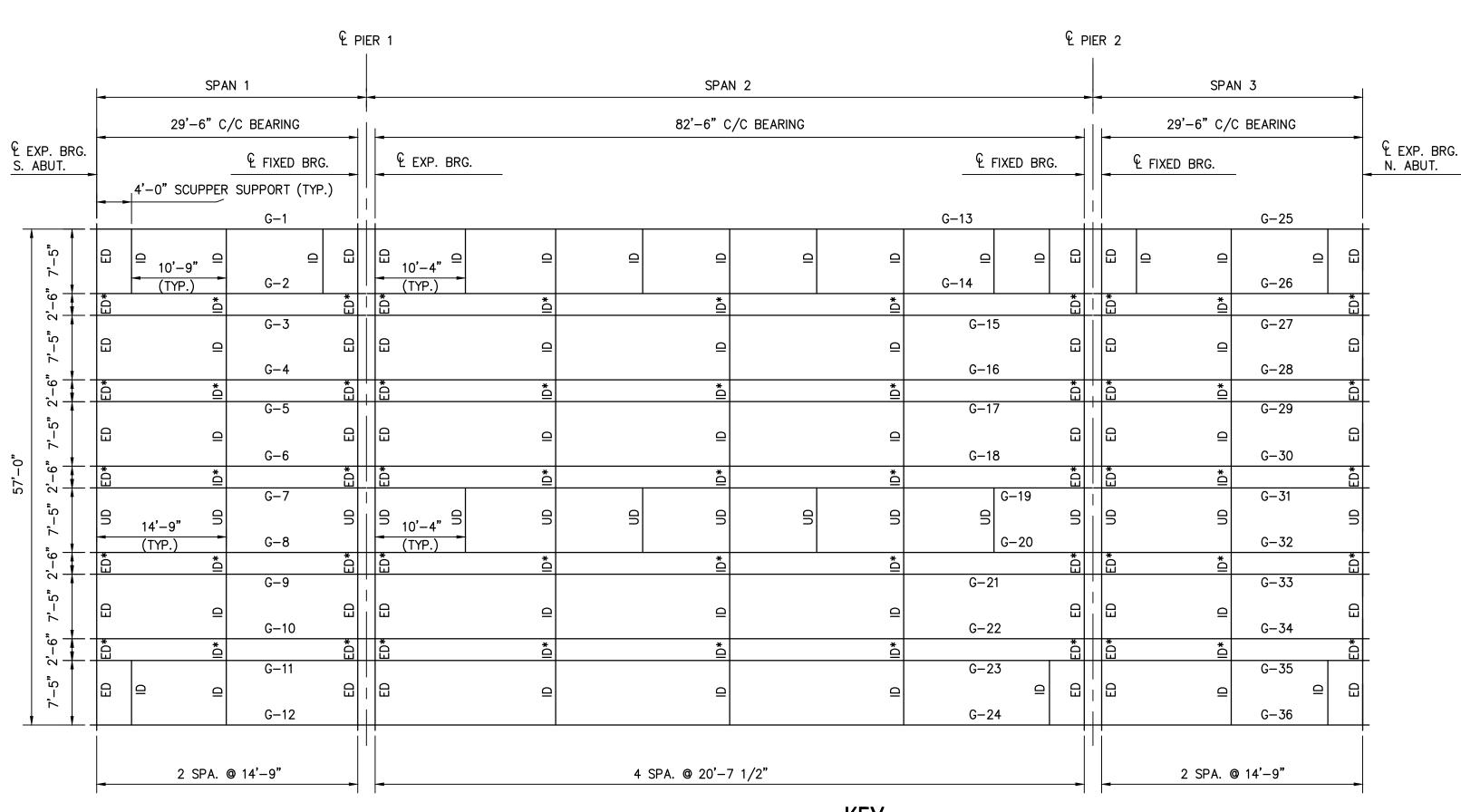


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JOB No.:

SECTION A-A **EXISTING BRIDGE TYPICAL SECTION** SCALE: 3/8" = 1'-0"





GIRDER TABLE G-1 W30x116 G-2 TO G-11 W21x44 G-12 W30x116 G-13 W33x221 G-14 TO G-23 W33x201 W33x221 G-24 G - 25W30x116 G-26 TO G-35 W21x44

G - 36

CAMBER TABLE NOTES

- 1. THE TOTAL CAMBER AS TABULATED IS ASSUMED TO BE MEASURED VERTICALLY TO THE TOP OF THE FULLY CAMBERED WEB FROM A STRAIGHT LINE DRAWN FROM THE INTERSECTION OF TOP OF WEB AND CENTERLINE OF BEARING AT ONE END OF THE GIRDER TO THE INTERSECTION OF TOP OF WEB AND CENTERLINE OF BEARING AT THE OTHER END OF THE GIRDER.
- 2. THE DEFLECTION LABELED "STEEL" IN THE TABLE IS THE DEFLECTION DUE TO THE DEAD LOAD OF THE STEEL IN THE GIRDER PLUS ALL NECESSARY DIAPHRAGMS, CROSS FRAMES, ETC.
- 3. THE DEFLECTION LABELED "CONCRETE SLAB" IN THE TABLE IS THE DEFLECTION DUE TO THE DEAD LOAD OF THE CONCRETE SLAB.
- 4. THE DEFLECTION LABELED "PERMANENT COMPOSITE DEAD LOAD" IN THE TABLE IS THE DEFLECTION DUE TO THE SUPERIMPOSED DEAD LOAD, THAT IS, THE CURB, SIDEWALK AND RAILING.
- 5. THE DEFLECTION LABELED "FUTURE WEARING SURFACE" IS THE DEFLECTION DUE TO THE WEIGHT OF THE FUTURE WEARING SURFACE.
- 6. THE CAMBER LABELED "TOTAL DEAD LOAD CAMBER" IS THE CAMBER REQUIRED IN THE GIRDER TO OFFSET THE DEFLECTION DUE TO ALL DEAD LOADS.
- 7. THE CAMBER LABELED "VC" IN THE TABLE IS THE CAMBER REQUIRED IN THE GIRDER TO FOLLOW THE VERTICAL CURVE. THE VERTICAL CURVE VALUE SHALL BE USED EXCLUSIVELY FOR STRINGERS LOCATED WITHIN THE LIMITS OF A CREST VERTICAL CURVE. WHERE SUCH STRINGERS ARE LOCATED WITHIN THE LIMITS OF A SAG VERTICAL CURVE, PROVISION FOR ITS VALUE MUST BE MADE WITHIN THE CONCRETE HAUNCH. CONSEQUENTLY, THE TABULATION OF ITS VALUES IS UNNECESSARY.
- 8. THE CAMBER LABELED "ARCHITECTURAL CAMBER" SHALL BE A VALUE OF L/100 INCHES, WHERE "L" IS THE SPAN LENGTH IN FEET. IF THE VERTICAL CURVE VALUE PROVIDES THIS CAMBER VALUE, THE ARCHITECTURAL
- CAMBER MAY BE OMITTED. 9. DEFLECTIONS LISTED IN THE TABLE AS POSITIVE ARE DOWNWARD DEFLECTIONS.
- 10. CAMBERS LISTED IN THE TABLE AS POSITIVE ARE UPWARD CAMBERS.
- 11. DEFLECTIONS & CAMBERS ARE TABULATED IN INCHES.



REMINGTON

ENGINEERS

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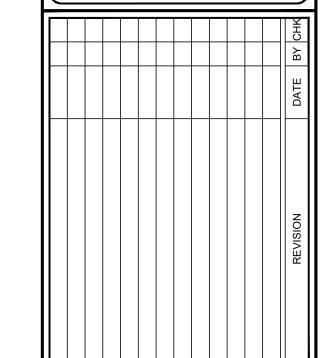
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ENGINEERS AND AFFILIATES ARE INSTRUMENTS O SERVICE IN RESPECT OF THE PROJECT. THEY ARE NO INTENDED OR REPRESENTED TO BE SUITABLE FOR REUS BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOU WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK ANI WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTOI & VERNICK ENGINEERS AND AFFILIATES; AND OWNE SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIM DAMAGES, LOSSES AND EXPENSES ARISING OUT OF O

RESULTING THEREFROI



∞

ABILITATION

E BRIDGE (EL-18) REHA STRUCTURE #2004018 AVENUE | STATE S

DRAWN BY: DESIGN BY: CHECKED BY: SCALE: ZRN/MHM AIF/CJR FJS AS NOTED SHEET No.: 09/05/2024 14 OF 18 JOB No.:

2000F021

GRAPHIC SCALE

(IN FEET)

1 inch = 10 ft.

0.3L 0.4L 0.5L **CAMBER DIAGRAM**

LEGEND:

W30x116

——— ACTUAL CAMBER REQUIRED

L SPAN LENGTH

		CAMBER TA	ABLE (SPA	N 1 AND S	PAN 3)				
DE	AD LOAD DEFI	LECTIONS (II		CAMBER (INCHES)					
GIRDER NUMBER	LOCATION	STEEL	CONCRETE SLAB (INCLUDING HAUNCHES)	PERMANENT COMPOSITE DEAD LOAD	FUTURE WEARING SURFACE	TOTAL DEAD LOAD CAMBER	VC	ARCHITECTURAL CAMBER	TOTAL CAMBER REQUIRED
	ABUTMENT (CO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04 040	1/4 POINT (C1)	0.010	0.064	0.017	0.00	0.091	0.00	0.148	0.239
G1, G12 G25, G36	MID SPAN (C2)	0.014	0.09	0.024	0.00	0.128	0.00	0.295	0.423
G25, G50	1/4 POINT (C3)	0.010	0.064	0.017	0.00	0.091	0.00	0.148	0.239
	PIER (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	ABUTMENT (CO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G2-G11	1/4 POINT (C1)	0.022	0.310	0.066	0.00	0.398	0.00	0.148	0.546
&	MID SPAN (C2)	0.031	0.435	0.092	0.00	0.558	0.00	0.295	0.853
G26-G35	1/4 POINT (C3)	0.022	0.310	0.066	0.00	0.398	0.00	0.148	0.546
	PIER (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DE	CAMBER TABLE (SPAN 2) DEAD LOAD DEFLECTIONS (INCHES) CAMBER (INCHES)											
DE.	AD LUAD DEFL	ECTIONS (II		Ū,	AMREK (I	NCHES)						
GIRDER NUMBER	LOCATION	STEEL	CONCRETE SLAB (INCLUDING HAUNCHES)	PERMANENT COMPOSITE DEAD LOAD	FUTURE WEARING SURFACE	TOTAL DEAD LOAD CAMBER	VC	ARCHITECTURAL CAMBER	TOTAL CAMBER REQUIRED			
	PIER (CO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	1/4 POINT (C1)	0.412	1.710	0.539	0.00	2.661	0.00	0.413	3.074			
G13 & G24	MID SPAN (C2)	0.578	2.40	0.757	0.00	3.735	0.00	0.825	4.56			
	1/4 POINT (C3)	0.412	1.710	0.539	0.00	2.661	0.00	0.413	3.074			
	PIER (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	PIER (CO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
G14-G23	1/4 POINT (C1)	0.495	2.412	0.85	0.00	3.757	0.00	0.413	4.17			
	MID SPAN (C2)	0.695	3.385	1.193	0.00	5.273	0.00	0.825	6.098			
	1/4 POINT (C3)	0.495	2.412	0.85	0.00	3.757	0.00	0.413	4.17			
İ	PIER (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

FRAMING PLAN SCALE: 1"= 10'

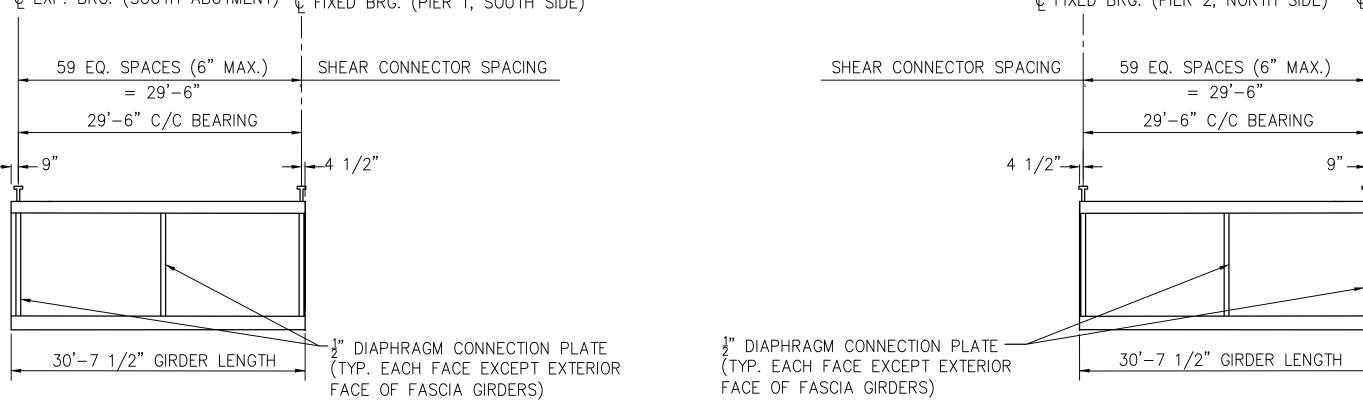
ED - END DIAPHRAGM

ID - INTERIOR DIAPHRAGM

UD - UTILITY DIAPHRAGM

G - GIRDER DESIGNATION

¢ EXP. BRG. (SOUTH ABUTMENT) ¢ FIXED BRG. (PIER 1, SOUTH SIDE) © FIXED BRG. (PIER 2, NORTH SIDE) © EXP. BRG. (NORTH ABUTMENT)



SPAN 1 - GIRDER ELEVATION

NOTE: DIAPHRAGMS INDICATED BY "*"

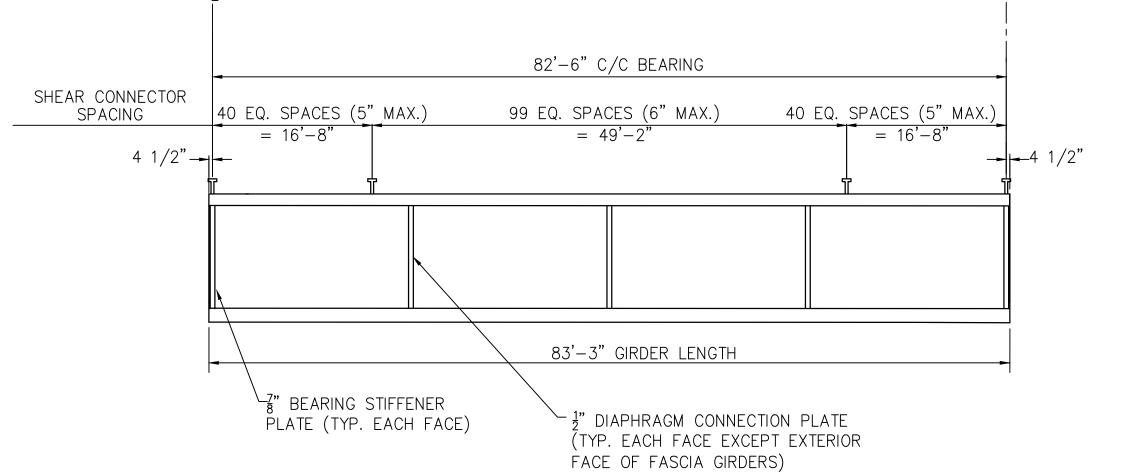
SHALL BE INSTALLED IN THE FIELD.

SCALE: 1"= 10' (HORIZ.) SCALE: N.T.S. (VÈRT.)

Ç EXP. BRG. (PIER 1, NORTH SIDE)

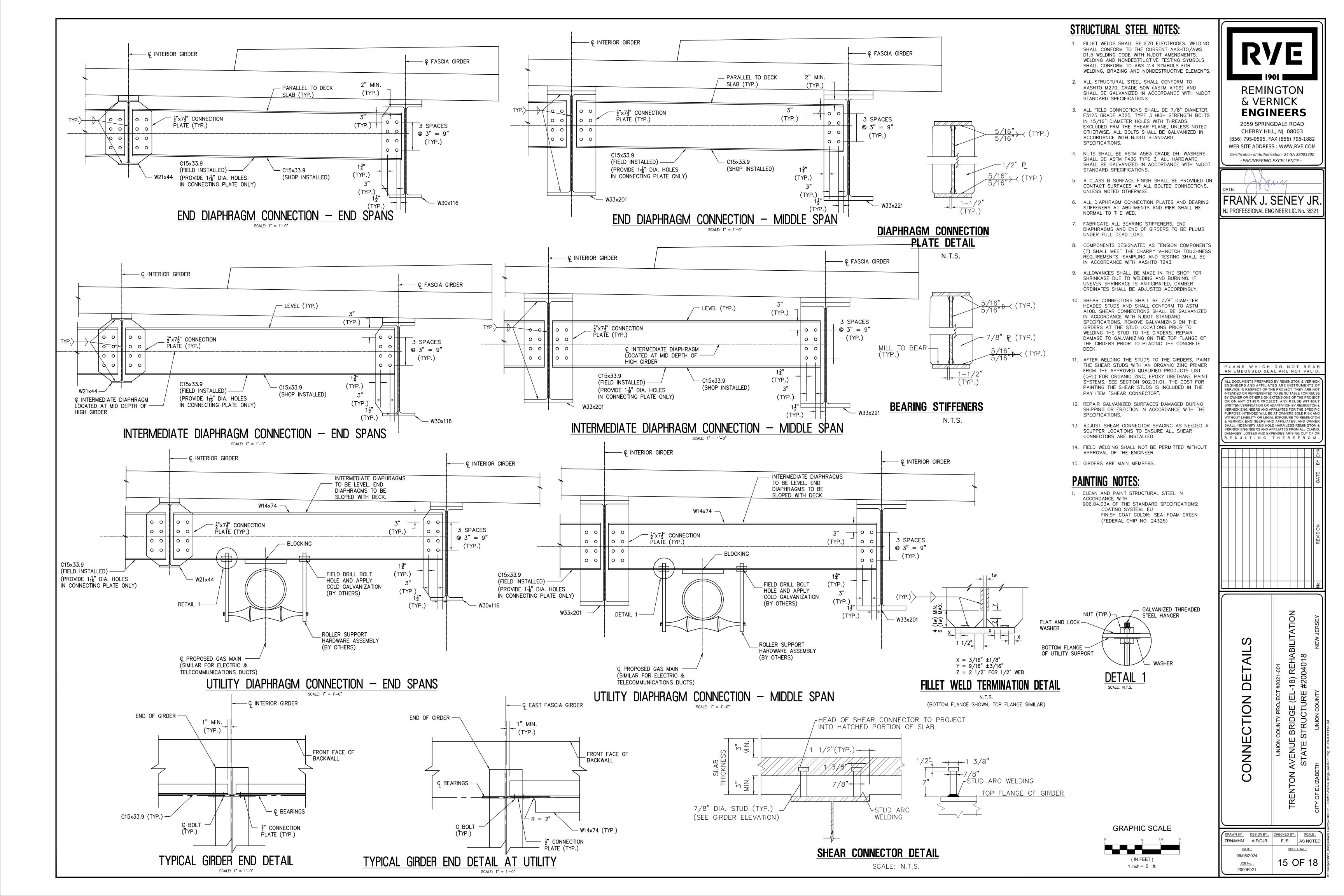
SPAN 3 - GIRDER ELEVATION SCALE: 1"= 10' (HORIZ.) SCALE: N.T.S. (VERT.)

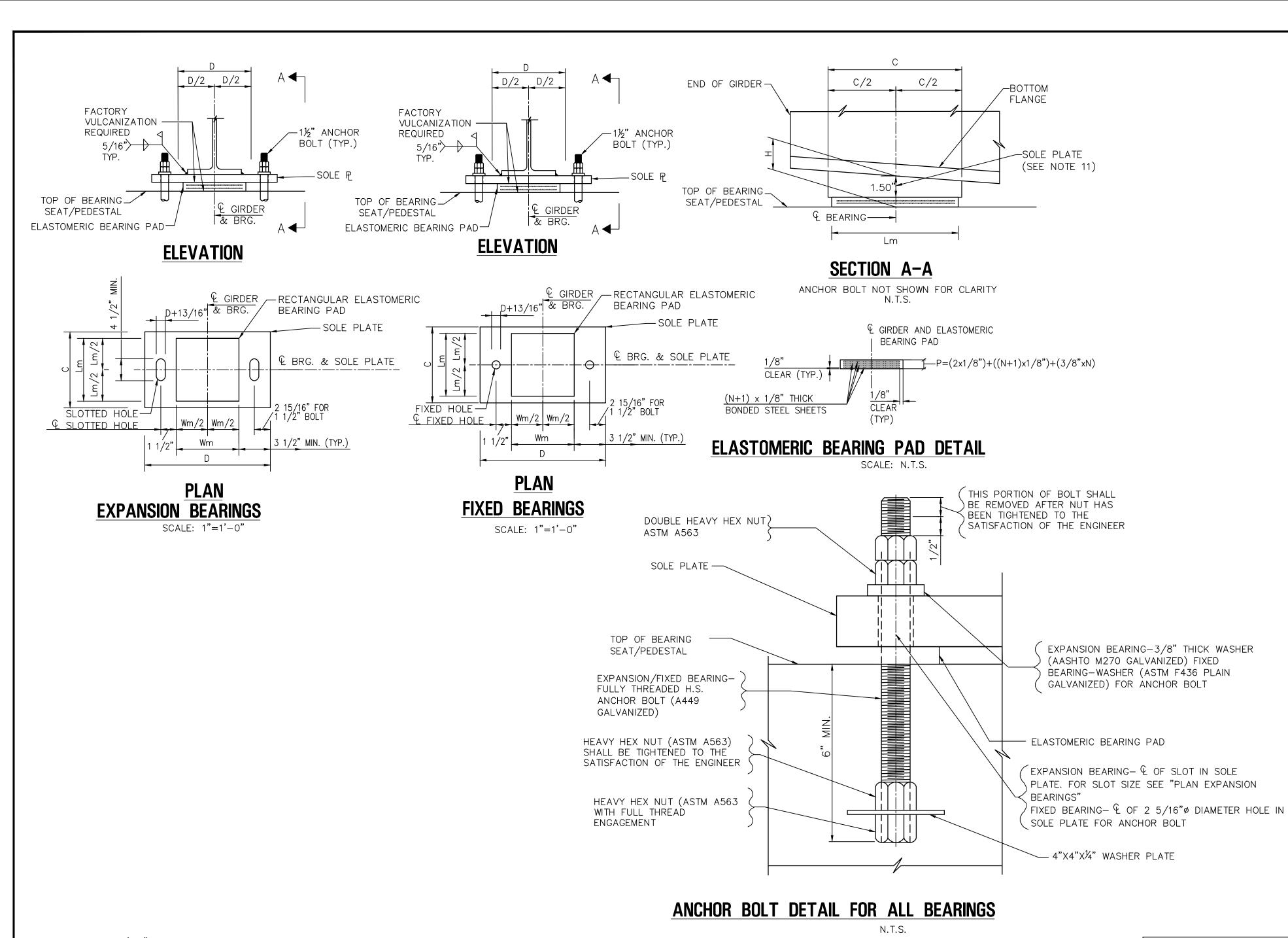
Ç FIXED BRG. (PIER 2, SOUTH SIDE)



SPAN 2 - GIRDER ELEVATION

SCALE: 1"= 10' (HORIZ.) SCALE: N.T.S. (VERT.)





L BRG. -

& BEAM

Pad BRG.

| 17/8 | 33/8

8 | 17/8 | 33/8

10 | 3 7/8 | 5 3/8 |

10 | 27/8 | 43/8 |

8 | 17/8 | 33/8 |

8 | 17/8 | 33/8 |

8 | 17/8 | 33/8

8 | 17/8 | 33/8 |

10 | 3 7/8 | 5 3/8

10 | 27/8 | 43/8 |

8 | 17/8 | 33/8 |

8 | 17/8 | 33/8 | 9

SOLE PLATE

9

9

(IN)

16 7/8 | 15.96

16 7/8 | 15.96

18 7/8 | 49.43

18 7/8 | 49.43

16 7/8 | 15.96

16 7/8 | 15.96

16 7/8 | 16.89

16 7/8 | 16.89

18 7/8 | 54.51

18 7/8 | 54.51

16 7/8 | 16.89

16 7/8 | 16..89 |

LL W/O

(KIPS)

46.66

46.66

71.8

45.35

45.35

69.78

1'-6"

LAYERS

3

3

7

5

3

3

3

3

7

5

3

BEARING TABLE (NOTE: SEE BEARING SEAT LOCATION AND ELEVATION TABLES)

One Way*

Long. Movement

0.3

0.3

1.21

1.21

0.3

0.3

0.46

0.46

1.24

1.24

0.46

0.46

1'-6"

L BRG.

ABUTMENT SEAT LOCATION AND ELEVATION

Lm

ELASTOMER LAYERS

& BRG.

& BRG.

SPAN 1

Location

G25, G36

South Abutment

Pier 1 (Southside)

Pier 1 (Northside)

Pier 2 (Southside)

Pier 2 (Northside)

North Abutment

Pier 1 (Southside)

Pier 1 (Northside)

Pier 2 (Southside)

Pier 2 (Northside)

North Abutment

South Abutment | Exp.

|rB

€ BRG.

3'-6"

SPAN 2

SPAN 2

& BRG.

SPAN 1

PIER SEAT LOCATION AND ELEVATION

Fix/Exp.

Exp.

Exp.

SCALE: N.T.S.

40

40

40

40

40

40

40

40

40

40

40

40

Pay Item | Quantity

Required

10

10

10

10

10

-& PIER

|Max. Design| Shape

(Kips)

62.62

62.62

121.23

121.23

62.62

62.62

124.29

124.29

62.24

Factor

EXT / INT

8 / 5.3

6.8 / 4.5

10.0 / 6.7

8.8 / 5.9

6.8 / 4.5

8 / 5.3

8 / 5.3

6.8 / 4.5

10.0 / 6.7

8.8 / 5.9

6.8 / 4.5

8 / 5.3

₽ BEAM

BEARING NOTES:

ELASTOMERIC BEARINGS DESIGN IN CONFORMANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020, WITH CURRENT INTERIMS, METHOD B, AS MODIFIED BY SECTION 3 OF THE NJDOT DESIGN MANUAL FOR BRIDGES AND STRUCTURES, AND THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS MODIFIED BY THE SPECIAL PROVISIONS.

2. ELASTOMERIC BEARING PADS ARE TO HAVE A SHEAR MODULUS OF 150 PSI AT 73°F AND AN ELASTOMER OF LOW TEMPERATURE, GRADE 3.

3. STEEL LAMINATES SHALL BE ASTM A36 OR ASTM A1101.

4. UNLESS OTHERWISE NOTED, STRUCTURAL STEEL FOR ALL BEARING COMPONENTS SHALL CONFORMING TO AASHTO M270, GRADE 50W (ASTM A709).

5. TEST BEARINGS IN ACCORDANCE WITH THE REQUIREMENTS FOR STEEL-REINFORCED ELASTOMERIC BEARINGS (METHOD B DESIGN) AS SPECIFIED IN ARTICLE 18.2 OF THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS AND AASHTO M251 (ASTM D4014).

6. THE TOP OF THE CONCRETE BEARING SURFACE SHALL BE LEVEL.

7. THE CONTINOUS WELD CONNECTING THE GIRDER BOTTOM FLANGE AND SOLE PLATE SHALL BE ALLOWED TO COOL AFTER EACH PASS. THE TEMPERATURE OF THE STEEL ADJACENT TO THE ELASTOMER SHALL NOT EXCEED 200°F. TEMPERATURE SHALL BE CONTROLLED BY THE WELDING PROCEDURE.

8. ANCHOR BOLTS SHALL BE THREADED AS SHOWN IN "ANCHOR BOLT DETAIL FOR ALL BEARINGS". THE NUT SHALL BE TIGHTENED TO THE SATISFACTION OF THE ENGINEER AND THE ANCHOR BOLT TIP SHALL PROTRUDE NO MORE THAN 1/2" ABOVE THE TOP OF THE NUT. ANCHOR BOLTS, PLATES, WASHERS, AND BUTS SHALL CONFORM TO THE REQUIREMENTS OF THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS.

9. ALL ANCHOR BOLTS SHALL BE HIGH STRENGTH CONFORMING TO ASTM A449, TYPE 1 OR 2 AND SHALL BE GALVANIZED AS PER ASTM A153.

10. THE ELASTOMERIC BEARINGS SHALL NOT BE PLACED IN TENSION DURING HANDLING AND ERECTION.

11. THE FABRICATOR SHALL PROVIDE A BEVELED SOLE PLATE TO MATCH THE GRADE OF THE BOTTOM OF THE BEAM UNDER FULL DEAD LOAD, AND AS NECESSARY TO ACCOMODATE THE VERTICAL GEOMETRY OF THE SUPERSTRUCTURE.

12. CLEANING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

13. FOR CLARITY, DIAPHRAGM AND CONNECTION PLATES ARE NOT SHOWN.

14. ALL COSTS ASSOCIATED WITH FABRICATION, DELIVERY AND INSTALLATION OF THE BEARINGS, INCLUDING ANCHOR BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE PAY ITEM "REINFORCED ELASTOMERIC BEARING ASSEMBLY".

15. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

16. LAMINATED ELASTOMERIC BEARING PADS SHALL BE VULCANIZED TO THE SOLE PLATES DURING FABRICATION. WHERE SIZE OR GEOMETRY OF THE SOLE PLATES MAKE VULCANIZATION IMPRACTIAL, AT THE PERMISSION OF THE ENGINEER, THE CONTRACTOR MAY VULCANIZE THE ELASTOMERIC BEARINGS TO THE FINISHED CONCRETE SURFACE.

17. MANUFACTURER SHALL PROVIDE THE WELD SIZE (MINIMUM SIZE OF WELD SHALL BE 5/16").

18. ANY DAMAGE TO GALVANIZED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH ASTM D2092, METHOD A OR D.

19. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.5.

20. THE POSITION OF THE FIXED BEARINGS ANCHOR BOLTS RELATIVE TO THE CENTER OF THE SLOTTED HOLES SHALL BE SET THAT THE ANCHOR BOLTS WILL BE TRANSVERSELY CENTERED IN THEIR RESPECTIVE SLOTTED HOLES AT 68°F.

21. IF THE STEEL IS ERECTED AT AN AMBIENT TEMPERATURE HIGHER THAN 80 OR LOWER THAN 60 DEGREES THE SUPERSTURCTURE SHALL BE JACKED TO ALLOW THE BEARINGS TO RETURN TO THEIR IN-DEFORMED SHAPE AT 68° F +/- 10 DEGREES. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE PAY ITEM "REINFORCED ELASTOMERIC BEARING ASSEMBLY".

22. COMPLETE SURVEY OF TOP OF EXISTING BEARING SEAT ELEVATIONS AND SUBMIT TO THE RESIDENT ENGINEER FOR REVIEW PRIOR TO DEVELOPING BEARING WORKING DRAWINGS.

PIER 1 BEARING SEAT LOCATION AND ELEVATION TABLE (LOOKING UPSTATION CL BEAM | **ELEVATION** ELEVATION 0'-0" 11.65 0'-0" 90° -0'-6" 0'-6" 11.15 0'-0" 12.54 0'-0" 0'-6" -0'-6" 0'-0" 0'-0" -0'-6" 12.57 0'-6" 0'-0" -0'-6" 12.68 0'-0" 0'-6" 0'-0" 12.72 0'-0" -0'-6" 0'-6" 11.47 0'-0" 0'-0" -0'-6" 12.83 0'-6" 12.83 0'-0" 0'-6" 1.25 0'-0" -0'-6" 0'-0" -0'-6" 12.72 0'-0" 0'-6"

18.57

21.07

90°

90°

0'-0"

0'-0"

0'-0"

	PIER 2 BEA	ARING SEAT	LOCATION	N AND ELEV	ATION TABLE	(LOOKING	UPSTATIO	N)
BEAM	CL BEAM	BEAM		Α			В	
NO.	OFFSET	ANGLE	Х	Υ	ELEVATION	Х	Υ	ELEVATION
1	-28.49	90°	0'-0"	-0'-6"	10.97	0'-0"	0'-6"	11.38
2	-21.07	90°	0'-0"	-0'-6"	11.11	0'-0"	0'-6"	12.27
3	-18.57	90°	0'-0"	-0'-6"	11.15	0'-0"	0'-6"	12.30
4	-11.16	90°	0'-0"	-0'-6"	11.26	0'-0"	0'-6"	12.41
5	-8.66	90°	0'-0"	-0'-6"	11.30	0'-0"	0'-6"	12.45
6	-1.25	90°	0'-0"	-0'-6"	11.41	0'-0"	0'-6"	12.56
7	1.25	90°	0'-0"	-0'-6"	11.41	0'-0"	0'-6"	12.56
8	8.66	90°	0'-0"	-0'-6"	11.30	0'-0"	0'-6"	12.45
9	11.16	90°	0'-0"	-0'-6"	11.26	0'-0"	0'-6"	12.41
10	18.57	90°	0'-0"	-0'-6"	11.15	0'-0"	0'-6"	12.30
11	21.07	90°	0'-0"	-0'-6"	11.11	0'-0"	0'-6"	12.27
12	28.49	90°	0'-0"	-0'-6"	10.97	0'-0"	0'-6"	11.38

-0'-6"

-0'-6"

12.68

12.57

12.54

0'-0"

0'-0"

0'-0"

0'-6"

0'-6"

0'-6"

SOUTH ABL		RING SEAT LOOKING (ATION TABLE
	CL BEAM	BEAM		Α	
BEAM NO.	OFFSET	ANGLE	Х	Υ	ELEVATION
1	-28.49	90°	0'-0"	0'-0"	11.39
2	-21.07	90°	0'-0"	0'-0"	12.28
3	-18.57	90°	0'-0"	0'-0"	12.31
4	-11.16	90°	0'-0"	0'-0"	12.42
5	-8.66	90°	0'-0"	0'-0"	12.46
6	-1.25	90°	0'-0"	0'-0"	12.57
7	1.25	90°	0'-0"	0'-0"	12.57
8	8.66	90°	0'-0"	0'-0"	12.46
9	11.16	90°	0'-0"	0'-0"	12.42
10	18.57	90°	0'-0"	0'-0"	12.31
11	21.07	90°	0'-0"	0'-0"	12.28
12	28.49	90°	0'-0"	0'-0"	11.39

NORTH ABUTMENT BEARING SEAT LOCATION AND ELEVATION TABLE									
(LOOKING UPSTATION)									
BEAM NO.	CL BEAM	BEAM		Α					
BEAWING.	OFFSET	ANGLE	Х	Υ	ELEVATION				
1	-28.49	90°	0'-0"	0'-0"	11.24				
2	-21.07	90°	0'-0"	0'-0"	12.13				
3	-18.57	90°	0'-0"	0'-0"	12.16				
4	-11.16	90°	0'-0"	0'-0"	12.27				
5	-8.66	90°	0'-0"	0'-0"	12.31				
6	-1.25	90°	0'-0"	0'-0"	12.42				
7	1.25	90°	0'-0"	0'-0"	12.42				
8	8.66	90°	0'-0"	0'-0"	12.31				
9	11.16	90°	0'-0"	0'-0"	12.27				
10	18.57	90°	0'-0"	0'-0"	12.16				
11	21.07	90°	0'-0"	0'-0"	12.13				
12	28.49	90°	0'-0"	0'-0"	11.24				

NORTH AB	UTMENT BEA	ARING SEAT	LOCATION	AND ELEV	ATION TABLE
	1	(LOOKING I	JPSTATION)	
BEAM NO.	CL BEAM	BEAM		А	
DEAINI NO.	OFFSET	ANGLE	Х	Υ	ELEVATION
1	-28.49	90°	0'-0"	0'-0"	11.24
2	-21.07	90°	0'-0"	0'-0"	12.13
3	-18.57	90°	0'-0"	0'-0"	12.16
4	-11.16	90°	0'-0"	0'-0"	12.27
5	-8.66	90°	0'-0"	0'-0"	12.31
6	-1.25	90°	0'-0"	0'-0"	12.42
7	1.25	90°	0'-0"	0'-0"	12.42
8	8.66	90°	0'-0"	0'-0"	12.31
9	11.16	90°	0'-0"	0'-0"	12.27
10	18.57	90°	0'-0"	0'-0"	12.16
11	21.07	90°	0'-0"	0'-0"	12.13
12	28.40	au _°	0'-0"	0'-0"	11 2/

12	28.49	90°	0'-0"	-0'-6"	11.65	0'-0"	0'-6"	11.15
	PIER 2 BEA	ARING SEAT	LOCATION	I AND ELEV	ATION TABLE	(LOOKING	UPSTATIO	N)
EAM	CL BEAM	BEAM		Α			В	
١٥.	OFFSET	ANGLE	X	Υ	ELEVATION	Χ	Υ	ELEVATION
1	-28.49	90°	0'-0"	-0'-6"	10.97	0'-0"	0'-6"	11.38
2	-21.07	90°	0'-0"	-0'-6"	11.11	0'-0"	0'-6"	12.27
3	-18.57	90°	0'-0"	-0'-6"	11.15	0'-0"	0'-6"	12.30
4	-11.16	90°	0'-0"	-0'-6"	11.26	0'-0"	0'-6"	12.41
5	-8.66	90°	0'-0"	-0'-6"	11.30	0'-0"	0'-6"	12.45
6	-1.25	90°	0'-0"	-0'-6"	11.41	0'-0"	0'-6"	12.56
7	1.25	90°	0'-0"	-0'-6"	11.41	0'-0"	0'-6"	12.56
8	8.66	90°	0'-0"	-0'-6"	11.30	0'-0"	0'-6"	12.45
9	11.16	90°	0'-0"	-0'-6"	11.26	0'-0"	0'-6"	12.41
10	18.57	90°	0'-0"	-0'-6"	11.15	0'-0"	0'-6"	12.30
11	21.07	90°	0'-0"	-0'-6"	11.11	0'-0"	0'-6"	12.27
12	28.49	90°	0'-0"	-0'-6"	10.97	0'-0"	0'-6"	11.38

REMINGTON & VERNICK **ENGINEERS**

CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300 ~ENGINEERING EXCELLENCE~

2059 SPRINGDALE ROAD

DATE:

FRANK J. SENEY JR NJ PROFESSIONAL ENGINEER LIC. No. 3532

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

ENGINEERS AND AFFILIATES ARE INSTRUMENTS C

SERVICE IN RESPECT OF THE PROJECT. THEY ARE NO NTENDED OR REPRESENTED TO BE SUITABLE FOR REUS BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHO WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON ERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFICATION URPOSE INTENDED WILL BE AT OWNERS SOLE RISK AL WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGT & VERNICK ENGINEERS AND AFFILIATES; AND OWNE SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON ERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIM DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OF R E S U L T I N G T H E R E F R O M

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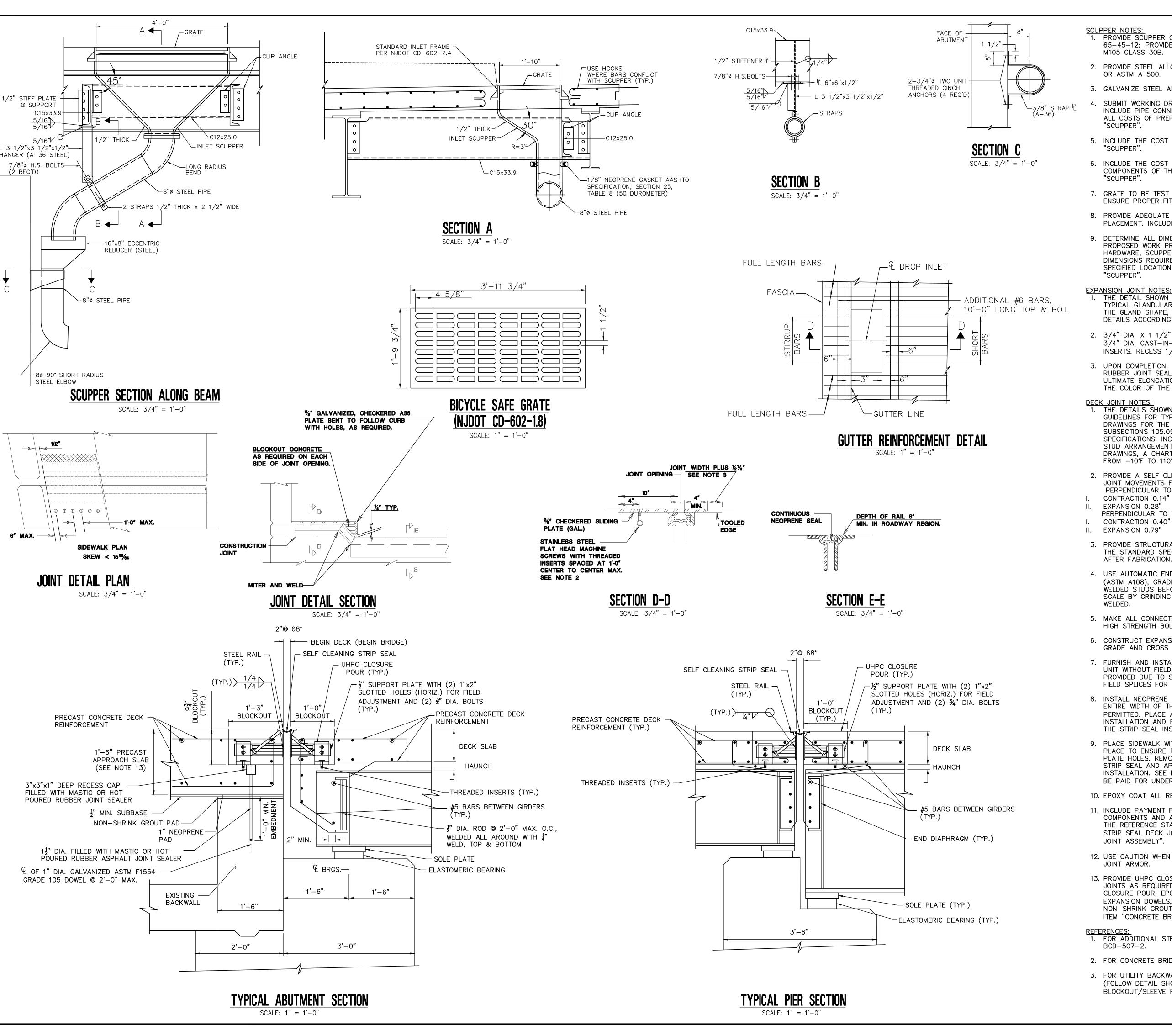
AVENUE BRIDGE (EL-18) REHABILITATION STATE STRUCTURE #2004018

ARING

RENTON

DRAWN BY: DESIGN BY: CHECKED BY: SCALE RN/MHM AIF/CJR FJS AS NOTED SHEET No.:

16 OF 18 JOB No.:



- SCUPPER NOTES:

 1. PROVIDE SCUPPER GRATE THAT CONFORMS TO ASTM A536 GRADE 65-45-12; PROVIDE GRAY IRON FRAME THAT CONFORMS TO AASHTO
- 2. PROVIDE STEEL ALLOY PIPE THAT CONFORMS TO ASTM A 53, GRADE B OR ASTM A 500.
- 3. GALVANIZE STEEL ALLOY PIPE IN ACCORDANCE WITH ASTM A 123.
- 4. SUBMIT WORKING DRAWINGS OF THE BRIDGE DRAINAGE SYSTEM THAT INCLUDE PIPE CONNECTIONS, PIPE CLEANOUTS, AND SCUPPERS. INCLUDE ALL COSTS OF PREPARING THE WORKING DRAWINGS UNDER THE PAY ITEM
- 5. INCLUDE THE COST OF STEEL ALLOY PIPE UNDER THE PAY ITEM
- 6. INCLUDE THE COST OF THE GRATE AND FRAME, AND ALL OTHER COMPONENTS OF THE SCUPPER AND SUPPORT UNDER THE PAY ITEM
- 7. GRATE TO BE TEST INSTALLED IN THE SCUPPER FRAME IN THE SHOP TO ENSURE PROPER FIT-UP IN THE FIELD.
- 8. PROVIDE ADEQUATE SUPPORT TO THE SCUPPER DURING CONCRETE PLACEMENT. INCLUDE ALL COSTS UNDER THE PAY ITEM "SCUPPER"
- 9. DETERMINE ALL DIMENSIONS NECESSARY TO ENSURE PROPER FIT OF ALL PROPOSED WORK PRIOR TO FABRICATION OF ANY STEEL SUPPORT HARDWARE, SCUPPERS. WORKING DRAWINGS SHALL SHOW ALL DIMENSIONS REQUIRED FOR PROPER INSTALLATION OF INLETS AT EACH SPECIFIED LOCATION. INCLUDE ALL COSTS UNDER THE PAY ITEM

- THE DETAIL SHOWN HERE IS INTENDED AS A GENERAL GUIDE TO A TYPICAL GLANDULAR TYPE STRIP SEAL SYSTEM. SUBMIT VARIATIONS TO THE GLAND SHAPE, RAIL SHAPE, STUD ARRANGEMENT, AND SUPPORT DETAILS ACCORDING TO THE NJDOT WORKING DRAWING SPECIFICATIONS.
- 2. 3/4" DIA. X 1 1/2" STAINLESS STEEL FLAT HEAD MACHINE SCREWS WITH 3/4" DIA. CAST-IN-PLACE STAINLESS STEEL THREADED CONCRETE INSERTS. RECESS 1/16" BELOW PLATE SURFACE.
- 3. UPON COMPLETION, FILL JOINT OPENING WITH A LOW MODULUS SILICON RUBBER JOINT SEALER CONFORMING TO ASTM D5893 WITH A MIN. ULTIMATE ELONGATION OF 1200 PERCENT. MATCH THE JOINT FILLER TO THE COLOR OF THE CONCRETE.

THE DETAILS SHOWN ON THESE PLANS ARE GENERAL GUIDELINES FOR TYPICAL JOINT SYSTEMS. SUBMIT WORKING DRAWINGS FOR THE STRIP SEAL JOINT SYSTEM ACCORDING TO SUBSECTIONS 105.05 AND 507.03 OF THE STANDARD SPECIFICATIONS. INCLUDE DETAILS FOR GLAND SHAPES, STEEL EDGE, STUD ARRANGEMENTS AND SUPPORT PLATES. INCLUDE IN THE WORKING DRAWINGS, A CHART WITH JOINT OPENINGS FOR TEMPERATURES RANGING FROM -10°F TO 110°F, IN 10°F INTERVALS.

- 2. PROVIDE A SELF CLEANING STRIP SEAL CAPABLE OF THE FOLLOWING JOINT MOVEMENTS FROM THE OPENING SET AT 68°F: PERPENDICULAR TO THE ABUTMENT JOINTS:
- PERPENDICULAR TO THE PIER JOINTS:
- CONTRACTION 0.40"
- 3. PROVIDE STRUCTURAL STEEL CONFORMING TO SUBSECTION 914.04 OF THE STANDARD SPECIFICATIONS. HOT-DIP GALVANIZE THE ASSEMBLY AFTER FABRICATION.
- 4. USE AUTOMATIC END WELDED STUDS CONFORMING TO AASHTO M169 (ASTM A108), GRADES 1015, 1018 OR 1020. INSTALL AUTOMATIC END WELDED STUDS BEFORE ZINC COATING OF ASSEMBLY. CLEAN RUST AND SCALE BY GRINDING THE STEEL AREAS WHERE THE STUDS ARE TO BE
- 5. MAKE ALL CONNECTIONS WITH ASTM F3125 GRADE A325 GALVANIZED HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE.
- 6. CONSTRUCT EXPANSION JOINTS TO MATCH ROADWAY POST-GRINDING GRADE AND CROSS SLOPE.
- 7. FURNISH AND INSTALL THE JOINT ARMOR SYSTEM TO BE A CONTINUOUS UNIT WITHOUT FIELD SPLICES. WHERE A CONTINUOUS UNIT CANNOT BE PROVIDED DUE TO SHIPPING OR CONSTRUCTION REQUIREMENTS, LOCATE FIELD SPLICES FOR THE STEEL RAILS AT GRADE BREAKS.
- 8. INSTALL NEOPRENE STRIP SEAL IN A CONTINUOUS LENGTH OVER THE ENTIRE WIDTH OF THE SUPERSTRUCTURE WITH NO FIELD SPLICES PERMITTED. PLACE AN APPROVED LUBRICANT/ADHESIVE FOR THE INSTALLATION AND PERMANENT BONDING TO THE STEEL RAIL PRIOR TO THE STRIP SEAL INSTALLATION.
- 9. PLACE SIDEWALK WITH STEEL SLIDING PLATES, INSERTS AND BOLTS IN PLACE TO ENSURE PROPER ALIGNMENT OF THE INSERTS AND SLIDING PLATE HOLES. REMOVE THE SLIDING PLATES TO INSTALL THE NEOPRENE STRIP SEAL AND APPLY BONDBREAKER TO SLIDING PLATES PRIOR TO INSTALLATION. SEE REFERENCE NO. 1 FOR ADDITIONAL DETAILS. ITEM TO BE PAID FOR UNDER "STRIP SEAL EXPANSION JOINT ASSEMBLY".
- 10. EPOXY COAT ALL REINFORCEMENT STEEL.
- 11. INCLUDE PAYMENT FOR UHPC CLOSURE POUR AND ALL STEEL COMPONENTS AND ASSOCIATED HARDWARE SHOWN ON THESE PLANS AND THE REFERENCE STANDARD BRIDGE CONSTRUCTION DETAILS FOR THE STRIP SEAL DECK JOINT UNDER THE PAY ITEM "STRIP SEAL EXPANSION JOINT ASSEMBLY".
- 12. USE CAUTION WHEN DIAMOND GRINDING WITHIN 2'-0" FROM THE DECK
- 13. PROVIDE UHPC CLOSURE POUR FOR TRANSVERSE AND LONGITUDINAL JOINTS AS REQUIRED AT GRADE BREAKS. INCLUDE PAYMENT FOR UHPC CLOSURE POUR, EPOXY COATED REINFORCEMENT, SMOOTH STEEL EXPANSION DOWELS, SUBBASE BEDDING MATERIALS, 1" NEOPRENE PAD, NON-SHRINK GROUT PAD AND ALL ASSOCIATED COSTS UNDER THE PAY ITEM "CONCRETE BRIDGE APPROACH".
- 1. FOR ADDITIONAL STRIP SEAL DECK JOINT DETAILS, SEE NJDOT
- 2. FOR CONCRETE BRIDGE APPROACH DETAILS, SEE NJDOT BCD-507-7.
- 3. FOR UTILITY BACKWALL PENETRATION DETAILS, SEE NJDOT BCD-653-1 (FOLLOW DETAIL SHOWN FOR GAS MAIN; PROVIDE SIMILAR BLOCKOUT/SLEEVE FOR PSE&G ELECTRICAL TRANSMISSION DUCTS).



REMINGTON & VERNICK **ENGINEERS**

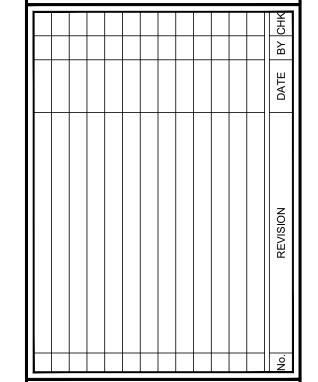
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FRANK J. SENEY JR IJ PROFESSIONAL ENGINEER LIC. No. 3532[.]

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