

Addendum No. 2

**West Lumberton Flood Gate at VFW Road & Railroad Underpass
City of Lumberton, NC
Addendum Date: March 4, 2025**

Engineer
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Pinehurst, NC 28374 910-295-3159

BID DUE DATE & TIME: March 20, 2025, 2:00 PM

A non-mandatory pre-bid meeting was held at Town Hall in Lumberton on February 27, 2025. This Addendum Number TWO provides the list of attendees for the pre-bid meeting, summary of the items discussed during the pre-bid meeting, and answers to questions received from bidders on or before February 28, 2025.

Items of note from the Pre-bid Meeting include:

1. All bidders should pay close attention to the instructions for bid submittals found in the Advertisement for Bid and Instruction to Bidders for both physical and electronic bids to avoid bid nullification.
2. The deadline for receipt of questions from bidders is March 14, 2025.
3. This project has been advertised in multiple locations, however downloadable copies of bid documents are only available via Quest as noted in the Advertisement for Bid.
4. All bidders should note that Article 5 of C-410, "Bid Form," indicates that this project requires a lump sum bid, however, a unit breakdown of the lump sum bid must still be provided. These unit prices will only be used in the event of future change orders.
5. The project has several different funding partners including federal funding partners (EDA and HUD/CDBG/NCORR). Therefore, specific federal bid procurement elements such as Davis-Bacon wage rates and HUB participation requirements are included. All bidders should pay close attention to filling out and submitting all required forms in the Bid Documents with their bids. See Article 7 of C-410, "Bid Form", for a list of all items required for bid. See the end of this addendum for detailed information regarding Davis-Bacon and Section 3 requirements.
6. This project is expected to include liquidated damages. Bidders should pay close attention to requirements pertaining to this.
7. As there is currently construction going on near the site on I-95 a site visit was not undertaken, however as the site can be seen from a public right-of-way bidders are welcome to drive by the site. The site can be seen from the rights-of-way of Cox Rd. and VFW Rd.

8. Grant Administrator Comments – presented by Karen Kiehna, Project Grant Administrator
- a. Overview of State and Federal HUB Requirements - Intent is for all potential contractors and subcontractors to cooperate with North Carolina HUB requirements as well as federal requirements under 24 CFR 75, 41 CFR 60, and the Civil Rights Act.
 - i. Contractors are responsible for ensuring that project is made available on a non-discriminatory basis (without regard to race, color, religion, sex, disability, familial status, age, or national origin) and must provide minority and women's business enterprises (MBEs/WBEs) and historically underutilized businesses (HUBs) equal access to participate in contracts for construction, goods, services, and supplies.
 - ii. Contractor must engage in good faith efforts to solicit HUB participation in the bidding process.
 - 1. All good faith efforts must be legal, proper and reasonable to achieve the statutory goal of 10% for participation by minority businesses in each construction project as mandated by state statutes.
 - iii. Contractor must comply with 41 CFR 60 and make legal, proper, and reasonable good faith efforts to meet the goals of 33.5% minority participation in each trade and 6.9% female participation in each trade as mandated by federal statutes.
 - b. Overview of Labor Standards (Davis-Bacon and Related Acts)
 - i. All contractors must adhere to the Davis-Bacon Act, Contract Work Hours and Safety Standards Act, and the Copeland Anti-Kickback Act.
 - ii. All contractors and subcontractors must pay the various classifications of laborers and mechanics on the site of work and all contracts/ agreements must have the wage rates and fringe benefits determined by DOL for the project.
 - iii. All contracts/ agreements must incorporate the appropriate federal labor standards provisions and the applicable wage decision.
 - iv. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses.
 - v. Laborers and mechanics employed on covered projects must be paid no less than one and one-half times their basic rate of pay for hours worked over 40 hours per week.
 - vi. All contractors must submit weekly certified payrolls and statements of compliance.
 - vii. Prior to selecting and awarding subcontracts, the prime contractor is responsible for ensuring the eligibility of their subcontractors.
 - c. Prime Contractors and Its First-Tier Subcontractors
 - i. Responsibilities include:
 - 1. Provide contractors with handouts on: Compliance summary, Section 3 Summary, Davis Bacon Basic Information
 - 2. Provide a brief explanation of the CDBG-DR requirements.
 - 3. Provide an overview of Labor Standards requirements:
 - a. Wage Decision will be rechecked 10 days prior to bid opening and if updated will be provided via addendum.

- b. Wage Decision is locked in at bid opening provided contract is awarded within 90 days. If contract isn't awarded within 90 days, the wage decision must be updated, if there is a change.
 - c. Potential need of additional classifications (additional classifications cannot be requested until the contract has been awarded to the successful bidder) and weekly payrolls. Potential bidders need to take into consideration additional classifications not on the WD.
4. Provide an overview of Section 3 requirements:
- a. All potential bidders must submit a filled-out Section 3 plan with their bids (all bids and section 3 plans must be maintained in local unit of government grant files for compliance). Compliance with Section 3 starts at the time there is a need for contractors, so grantees must start documenting efforts at that point.
 - b. All potential bidders shall document Section 3 good faith efforts if there is need for subcontracting at the time of bidding.
 - c. If subcontractors are needed after a prime contractor is selected, the prime contractor must provide documentation on how the needed subcontractors were selected. Provide Section 3 self-certification information for businesses and residents and a copy of the income limits for the county.

Refer to the Attachments noted below for further information.

- 1. Davis Bacon Wage Decision Process.
- 2. Section 3 Brochure for Workers and Businesses
- 3. Sección 3 para Trabajadores y Empresas
- 4. Wage Determination - Ten Day Call Form

Bidders' Questions:

The following is a summary of the questions received from bidders on or before March 3, 2025:

1. **Q: It appears that there is currently active construction going on at the site. Will that construction be completed before the start of this project or will coordination be needed?**

A: That construction is part of the NCDOT's I-95 widening project. At this time there are ongoing discussions between the City of Lumberton and the NCDOT regarding how to accommodate the construction activities needed for this project. If any decisions are made prior to bid, they will be issued out in a future addendum.

2. **Q: Who will handle coordination with the railroad [CSX] during this project?**

A: Coordination with the railroad is primarily the responsibility of the City of Lumberton, however there will be some coordination requirements placed on the contractor in order to show compliance with railroad requirements related to machinery, safety, etc. If bidders have not worked on projects where coordination with a railroad was required, it is recommended that they read Appendix B of the bid documents for details as to contractor coordination and compliance responsibilities.

3. Q: Is the City or the contractor responsible for flagmen?

A: The City will be taking on the responsibility of procuring flagmen for this project. With this addendum 2, Technical Specification 015300 Railroad Work has been amended to reflect this.

4. Q: Has the full design been reviewed and approved by CSX and if not, do you anticipate any delay in their approval process that might impact construction?

A: We do not anticipate any delays as we have been through extensive design approvals with CSX. We anticipate that most communication between the contractor and CSX will pertain to policies and procedures regarding equipment, methods, coordination of work within the right-of-way, etc. and not design.

5. Q: Do you anticipate the final CSX approval before bid?

A: That is our hope. Due to other constraints, we chose to proceed with the bid simultaneously with what we believe will be the final steps of securing the agreement with CSX.

6. Q: Does the CSX agreement include review time limits for the railroad?

A: Since we don't currently have an agreement, we can't say whether or not that will be included, however we do not anticipate that it will be included. The project duration includes reasonable review times based on our experience. We recommend submitting bids based on the bidder's experience with the duration of those approvals and clearly stating those assumptions in the bid. If we end up with delays due to review times beyond what was originally anticipated, then we will deal with that at that time.

7. Q: Will the pre-bid meeting minutes and recording be sent to everyone on the sign-in sheet or will that only be available on Quest?

A: This information will be provided via Quest however if we can see that someone hasn't accessed information through Quest yet, we will make an effort to email that information to them using the contact information provided on the sign-in sheet. We encourage all bidders to keep track of this project in Quest as it is the official way we are tracking all parties that are potential bidders.

8. Q: Will there be a need for third-party construction material testing services for this project? Has a third-party testing company already been contracted for this project?

A: Both quality control and quality assurance testing will be required during this project. The quality control testing is the responsibility of the contractor and quality assurance testing will be performed by the owner.

9. **Q: Qualifications Statement Section 10 – Financial Information requests the contractor to provide audited balance sheet for the each of the last 3 years. Considering the timing of the bid, most companies’ financials for 2024 have not been audited. Can the requirement be modified to audited financial statements for 2022 / 2023 and unaudited financial statement for 2024? Please confirm this information will be kept confidential and not subject to FOIA requests.**

A: EJCDC® C-451, Qualifications Statement Section 10 is modified to require audited financial statements for 2022 / 2023 and unaudited financial statement for 2024. All financial information submitted with the bid should be included in a separate sealed envelope and marked confidential.

10. **Q: Qualifications Statement Section 11 – Construction Experience requests the contractor list all projects completed in the last 5 years. This will be extensive and not all projects will be relevant to the experience required for this project. Can the requirement be modified to list 5 representative projects completed within the last 5 years highlighting experience will sheet pile, precast pile, flood walls, and/ or work around railroads?**

A: EJCDC® C-451, Qualifications Statement Section 11 has been modified to require a list of all projects completed within the last 5 years highlighting experience with construction of sheet piles, precast piles, flood walls, and/ or work around railroads?

11. **Q: Qualifications Statement Section 12 – Safety Program requests the contractor to provide DART information for proposed suppliers furnishing of performing work in excess of 10% of the total amount of the bid. Please consider removing this requirement for suppliers only as it is not relevant to the work being performed at the construction site.**

A: EJCDC® C-451, Qualifications Statement Section 12 remains without change.

12. **Q: Qualifications Statement Section 13 – Equipment requests the contractor list all pieces of major equipment available for use on the project. This will be extensive and not all equipment is relevant to the work taking place. Can the requirement be modified to list major equipment proposed for use on this project, including if it is an owned or rented asset? Please consider removing the acquired value column as that is not relevant to the performance of the equipment.**

A: EJCDC® C-451, Qualifications Statement Section 13 is modified to request – Equipment requests the contractor list all pieces of major equipment **relevant to the work taking place** that are available for use on the project.

13. Q: Sheet C-102 shows existing conditions Post I-95 Construction. At the pre-bid it was stated this construction will not be completed by the commencement date of this contract. Please provide an accurate depiction of what the conditions will be at the time of construction.

A: As construction is ongoing and being performed by another entity, we will be unable to update Sheet C-102 to accurately reflect the conditions of partial completion for any particular date/ time. The City is coordinating with NCDOT in order to determine the extent of completion of the NCDOT project and will provide this information to bidders or the contractor once available.

14. Q: Please provide the latest project schedule from the I-95 construction so we can understand what co-activities will be taking place.

A: Please see the response to Item 13 above.

15. Q: Please confirm if the I-95 contractor will require access to Cox Rd. and if a section of the floodwall will need to remain uninstalled until their work is complete.

A: Please see the response to Item 13 above.

16. Q: Please update Sheet C-201 to depict site access constraints due to the ongoing I-95 construction. Where will the contractor be allowed to access the site, build cranes, stage materials and equipment, etc.?

A: Please see the response to Item 13 above.

17. Q: Please provide approximate dates when right of way agreements will be established with NCDOT and CSX as well as any restrictions associated with those agreements.

A: Right-of-way agreements with both NCDOT and CSX are in their final stages of review and it is our estimation that they will be established before the required mobilization date of May 4, 2025.

18. Q: Please confirm the anticipated duration between contract award and notice to proceed.

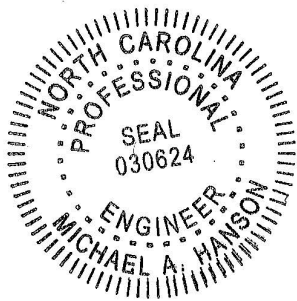
A: The contract award is anticipated to be issued within 2 weeks of bid and notice to proceed will be issued no later than May 1, 2025.

This Addendum Number TWO also includes the following updates to the bid documents:

1. Technical Specification 015300 Railroad Work has been updated to indicate that it is the responsibility of the City of Lumberton to procure flagmen.
2. EDA Contracting Provisions for Construction Projects Section 28, C-800 Supplementary Conditions Exhibit C – EDA Project Sign Requirements, and Technical Specification 015000 Temporary Facilities and Controls have been updated to indicate that the City of Lumberton will prepare and install the required project signage.

This Addendum Number TWO is issued this 4th day of March 2025.

Michael Hanson, PE



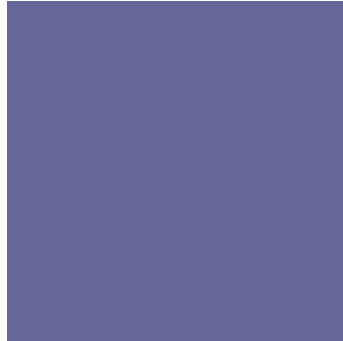
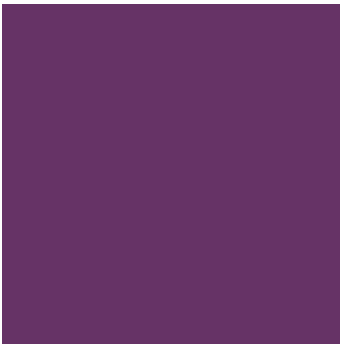
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Contract Docs



Projects that are subject to
Davis-Bacon...

**...must incorporate the appropriate federal
labor standards provisions, and the
applicable wage decision.**



Davis-Bacon Contracts

Verify and document the general / prime contractor is not debarred by federal and state prior to awarding contract.

Whatever form the contract takes, i.e., a formal contract, bid specifications, purchase order or other analogous instrument, **it is the agency's responsibility to ensure the labor standards provisions and applicable wage decision are incorporated into the contract document and any subcontract documents.**

CDBG Projects must have:
HUD-4010 form: Federal Labor Standards Provisions

Link to all forms can be found on the Division of Water Infrastructure website under CDBG-I Compliance and Reporting Information for Labor Standards

Davis-Bacon Wage Decisions

A Davis-Bacon wage decision is simply a listing of classifications and corresponding hourly wage rates, to include fringe benefits (if applicable).

How to select the correct wage decision for your project.

What is the overall character of construction?

What is called for in the contract?

Generally, there is one primary contract for construction. What is being built, or renovated will determine your category of construction.

There are four primary categories of construction.

Residential, Building, Highway, and Heavy

Residential

- Single family houses, townhouses
- Apartment buildings 4 stories or less

Building

- Sheltered enclosures for the purpose of housing persons, machinery, equipment, etc.
- Apartment buildings greater than 4 stories
- Commercial buildings

Highway

- Roads
- Highways
- Sidewalks
- Parking areas
- Other paving work not incidental to other construction

Heavy

- Projects which cannot be classified as Building, Residential, or Highway
- Dredging
- Water & sewer lines
- Parks and playgrounds
- Flood control

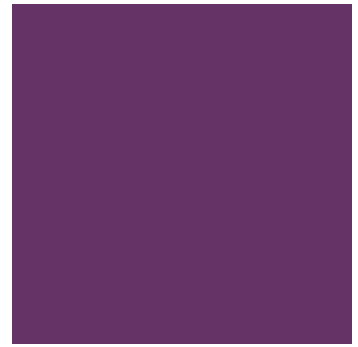
Select Davis-Bacon wage decision at:

<https://sam.gov/content/home>

Where a project includes construction items that in themselves would be classified differently with regard to type of construction, **multiple classification(s) as to type of construction may be justified if such items are a substantial part of the project.**

The application of wage schedules/determinations for more than one type of construction is appropriate if such items that fall in a separate type of construction will comprise at least 20% of the total project cost and/or cost at least \$1 million. If both of these conditions are not met, the work is considered incidental.

Where multiple wage determinations are incorporated into the bid specifications or contract it is very important also to **provide instructions specifying the contract work to which each wage determination applies.**



Davis-Bacon Wage Decisions Lock-In Dates

Lock in dates are dependent on the type of procurement that is utilized.

If an agency procures the construction, renovation or major repair work through a negotiated contract (RFP) the wage decision is locked-in at contract award (the construction contract) or construction start, whichever occurs first.

If an agency procures the construction through a competitively bidding process, **the wage decision is locked-in at bid opening, provided the contract is awarded within 90 days.**

If the contract is **awarded after the 90 days**, the agency is required to ensure the wage decision is still current. If the wage decision has been modified, you must incorporate the most current decision.

If the wage decision is modified prior to bid opening, the agency must use the most incorporate the most current decision.

However, if the wage decision is modified 10 days or less prior to bid opening, you are required to notify all bidders of the change in the wage decision. If you are unable to notify all bidders, you must document the file. Only if you are not able to notify all bidders of the new wage decision **and** you have documented your file appropriately, are you able to use the preceding wage decision.

Conformances

Additional
Classifications
Process for
CDBG-I
Projects





CONFORMANCES: ADDITIONAL CLASSIFICATIONS

Davis Bacon Act (DBA) wage determinations/decisions (WDs) do not contain every craft needed for all DBA work performed on every contract. When this occurs DBA provisions contain a conformance procedure for the purpose of establishing a DBA-enforceable wage and benefit rate for missing job classifications. [CFR 29 Part 5.5\(a\)\(ii\)](#) sets the criteria that must be met to obtain a rate for an unlisted classification.

Department of Labor (DOL) Conformance Principles

If a classification of work is not listed on the wage decision that is applicable to your project, you must request an additional classification through DOL. Your request must be sent through NCDEQ/DWI, who will submit the request on behalf of the contractor/subcontractor and the grantee. DOL will make the final determination.

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

Process for “Conformance” Additional classifications:

- Contractors and subcontractors are responsible for determining the appropriate crafts necessary to perform the contract work. If a classification considered necessary for performance of the work is missing from the WD, the contractor must initiate a request for approval for a proposed wage and benefit rate.
- The requested classification is not already listed on the applicable wage decision;
- The classification is utilized in the area by the construction industry; and
- The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

How to Calculate an Additional Classification Rate?

- “The proposed wage rate, including any bona fide fringes benefits, bears a reasonable relationship to the wage rates contained in the wage determination to consider the entirety of the rates within the relevant category on the wage determination and to not generally use as a benchmark the lowest rate within that category.”
- There are four general categories on Wage Determinations/Decision:
 - Skilled crafts;
 - Laborers;
 - Power equipment operators, and



- Truck drivers.
 - To determine a “reasonable relationship,” the requested additional classification is compared to the classifications on the applicable wage decision within the same category.
- The classification must be appropriate for the contract work, and must be a classification that is utilized in that locality by the construction industry.
- The contractor cannot propose a new classification by combining job duties from two or more existing classifications on the wage determination, or propose a new classification that performs only part of the duties of an existing classification.
- The proposed classification cannot be a "trainee". Generally, a proposed classification of "helper" will not be approved. Under DBA provisions, a "helper" will not be approved by DOL unless the contractor establishes that the criteria in the regulations at 29 C.F.R. Part 5 are met.
- Conformance requests should not be submitted for exempt classifications (project managers, full-time supervisors, professionals such as engineers), nor for classifications other than "laborers or mechanics" employed on the site of work, as covered by DBA.
- If the contractor has further questions about a conformance process, he/she may contact the nearest Regional Office of the U. S. Department of Labor, Wage and Hour Division

Steps for Submission of Request

1. Submit conformance request via email (PDF file) to the CDBG-I Unit Compliance Specialist, Division of Water Infrastructure. Request must include the following:
 - a) **Completed Standard Form 1444 (SF1444-13f)** – *This form replaces the previous HUD form 4370A and enhances the conformance request process by providing DOL information that was not on the HUD form, allowing them to more efficiently process these requests.*
 - The new Block 16, is optional. It provides opportunity for employees or their designated representative (generally a union) to sign the document and indicate whether they agree with the proposed classification and wage rate.
 - Reminder - Signature at the bottom for the Contracting Officer or Representative is the labor standards coordinator for the project (Same person that reviews certified payroll and submits semiannual labor reports).
 - b) Contractor and/or subcontractor request letter stating the classification needed, tools of the trade they will use, proposed hourly wage rate, and proposed fringe benefits (if applicable).
 - c) Wage Determination/Decisions applicable to the project.



- d) Signed letter from Grantee to DOL regarding the request for additional classification(s).
- e) Signed letter(s) from Contractor and/or Subcontractor requesting the additional classification(s). Make sure the letter provides details on the type of tools of the trade the requested classification will use.
 - The contractor must attach a brief job description to each classification request submitted for those that are not generally known and utilized in the construction industry in the locality. The contractor should include all pertinent documentation that supports his/her request for approval of an additional classification.
2. The CDBG-I Unit Compliance Specialist will review and submit the packaged request on behalf of Grantee to DOL and will cc the grant administrator and grantee representative.
3. Grantees shall inform the CDBG-I Unit Compliance Specialist via email once the response from the Department of Labor (DOL) is received. (DOL representative responses go to the email on the HUD form 4230-A only).
4. The contractor/subcontractor must pay the proposed wage and benefit rate pending response from DOL. Typical response time is 30 days from CDBG-I Submission to the DOL.
5. When DOL responds, the Grantee and/or Grant Administrator provides a copy of the response to the contractor/subcontractor with instructions to provide each employee a copy or to post it in the work area (with the applicable WD). The prime contractor must provide a copy of the determination to subcontractor(s), if any, that may employ workers in the conformed classification under the contract.
6. If DOL denies the request or responds with an approved rate that is higher than the rate proposed by the contractor, the contractor must pay the applicable rate retroactive to the start of performance of that craft. The local Labor Standards officer (typically Grant Administrator) should request written confirmation from the contractor that this liability has been paid in full.
7. If the Grantee has not received an answer from DOL after 30 days, please contact the CDBG-I Compliance Specialist.
8. Appeals of the approval or disapproval of a conformance request should initially be made with the Branch of Construction Wage Determinations in the National Office of WHD. If the requestor wishes to appeal the Branch decision, then a request for review and reconsideration may be made to the Wage and Hour Administrator (See CFR 29 Part 5.13 and Part 7). The Administrator's decision may be appealed to the ARB. All decisions by the ARB in such cases are final.



Additional Classification Calculate Example:

The Heavy Wage Determination/Decision for Tyrrell County needs an Electrician and a Paver Operator classification.

Electrician is under the skilled trade category and there are two trades for this category listed on the Heavy WD for the project:

- Carpenter: Basic Rate \$15.47 + Fringes \$1.50 = \$16.97
- Cement Mason/Concrete Finisher: Basic Rate \$13.10 + Fringes \$1.32 = \$14.42

Need to obtain average of those two skilled trades.

- Basic Rate average $\$15.47 + \$13.10/2 = \$14.28$
- Fringes $\$1.50 + \$1.32/2 = \$1.41$

The estimated amount for the Electrician additional classification request is: **Basic Rate \$14.28 + Fringes \$1.41 = \$15.60**

Paver Operator is under power equipment operators' category, and there is one trade for this category listed on the Heavy WD for the project:

- Operator: Backhoe/Excavator/Track hoe: Basic Rate \$ 14.50 + Fringes \$2.39 = \$16.89

Since there is only one trade, this rate should be used to estimate the paver operator rate.

The estimated amount for the Paver Operator additional classification request is: **Basic Rate \$ 14.50 + Fringes \$2.39 = \$16.89**

What Projects or Contracts Does Section 3 Apply to?

Housing and Community Development Financial Assistance

Section 3 applies to housing construction, housing rehab and public infrastructure projects that receive more than \$200,000 in HUD assistance. Section 3 also applies to projects that include Lead Hazard Control and Healthy Homes assistance that exceeds \$100,000.

Public Housing Financial Assistance

Section 3 applies to any amount of assistance for development, operations and management, mixed-finance development projects, and in some cases, Rental Assistance Demonstration (RAD) and Choice Neighborhoods projects.

What Are the Goals of Section 3?

Section 3 has goals that recipients, subrecipients, contractors and subcontractors must meet. The goals are as follows:

Housing and Community Development Financial Assistance

- 25% or more of the total number of labor hours worked by all workers on a Section 3 project are Section 3 workers and 5% or more of the total number of labor hours worked by all workers on a Section 3 project are Targeted Section 3 workers.

Public Housing Financial Assistance

- 25% or more of the total number of labor hours worked by all workers in a PHA's fiscal year are Section 3 workers and 5% or more of the total number of labor hours worked by all workers in a PHA's fiscal year are Targeted Section 3 workers.

What Happens if the Section 3 Goals Are Not Met?

Recipients must report qualitative nature of Section 3 compliance efforts and the efforts of its contractors and subcontractors.

How Can I Find Section 3 Opportunities in My Area?

Contact your local and state government and public housing authority to learn more about employment, training and contracting opportunities that may be available to you in your community.

How Can I Learn More About Section 3?

Visit the following websites:

- <http://www.hud.gov/section3>
- <http://www.hudexchange.info/programs/section-3/>

Want to learn more about YouthBuild?

- <http://www.dol.gov/agencies/eta/youth/youthbuild>



SECTION 3

for Workers and Businesses

Learn about employment, training and contracting opportunities that can be available to you under Section 3.

What Is Section 3 and Why Does It Matter?

- Every year the Department of Housing and Urban Development (HUD) invests billions of federal dollars into distressed communities across the country for projects that provide **access to safe and affordable housing and improve public infrastructure**.
- These funds are passed down to public housing agencies, local and state governments or other recipients through grants or financial assistance.
- The financial assistance can be used to **maintain and build affordable housing and improve public infrastructure** in your community.
- **Employment, training and contracting** opportunities that result from the covered projects or contracts must be directed to persons who are low-income (**Section 3 workers**) and businesses that are owned by or employ persons who are low-income (**Section 3 businesses**) to help build economic wealth.
- Best efforts should be made to direct economic opportunities to persons and businesses in the **order of priority** outlined in the final rule requirements.

Who Is Responsible for Providing Access to Economic Opportunities?

- Recipients and subrecipients of HUD assistance
- Contractors and subcontractors working on certain HUD-assisted projects or contracts

How Can Contractors Help PHAs and Grantees Meet the Section 3 Goals?

Contractors can help PHAs and grantees meet the Section 3 goals by being a Section 3 business or employing Section 3 workers. Some grantees or PHAs may offer incentives to businesses that can demonstrate how they will meet the Section 3 goals.

What Is a Section 3 Worker?

A **Section 3 Worker** is any worker who currently fits, or when hired within the past five years fit, at least one of the following categories as documented:

- Person who is low-income
- Employed by a Section 3 business concern
- YouthBuild participant

What Is a Targeted Section 3 Worker?

A **Targeted Section 3 Worker** is a Section 3 worker who is **employed by a Section 3 business concern** or is a worker that currently fits or when hired fit at least **one** of the following categories as documented within the past five years:

Housing and Community Development Financial Assistance

- Lives within the neighborhood of the project
- YouthBuild participant

Public Housing Financial Assistance

- Resident of public housing or Section 8-assisted housing
- Resident of other public housing projects or Section 8-assisted housing managed by the PHA that is providing the assistance
- YouthBuild participant



What Is a Section 3 Business Concern?

A business that meets at least **one** of the following categories, within the last six-month period:

- At least 51% owned and controlled by persons who are low-income
- At least 51% owned and controlled by current public housing residents or residents who currently live in Section 8 assisted housing
- Over 75% of the labor hours performed for the business over the prior three-month period were performed by Section 3 workers



¿A qué Proyectos o Contratos Aplica la Sección 3?

Asistencia Financiera para la Vivienda y el Desarrollo Comunitario

La Sección 3 aplica a la construcción y rehabilitación de vivienda, y a los proyectos de infraestructura pública que reciben más de \$200,000 en asistencia de HUD. La Sección 3 también aplica a proyectos que reciben más de \$100,000 en asistencia para Control de Riesgos de Plomo y Hogares Saludables.

Asistencia Financiera para Vivienda Pública

La Sección 3 aplica a la asistencia para el desarrollo, operaciones y gestión, proyectos de desarrollo con financiación mixta, y en algunos casos, a los proyectos de Demostración de Asistencia de Alquiler (RAD por sus siglas en inglés) y Barrios de Elección, sin importar la cantidad recibida.

¿Cuáles son los Objetivos de la Sección 3?

La Sección 3 establece objetivos que deben alcanzar los beneficiarios, sub-beneficiarios, contratistas, y sub-contratistas. Los objetivos son los siguientes:

Asistencia Financiera para Vivienda y Desarrollo Comunitario

- El 25% o más del total de horas trabajadas por todos los trabajadores de un proyecto de la Sección 3, deben corresponder a trabajadores de la Sección 3. Y el 5% o más del total de horas trabajadas por todos los trabajadores de un proyecto de la Sección 3, deben corresponder a trabajadores objetivo de la Sección 3.

Asistencia Financiera para Vivienda Pública

- El 25% o más del total de horas trabajadas por todos los trabajadores de la agencia de vivienda pública en el año fiscal, debe corresponder a trabajadores de la Sección 3. Y el 5% o más del total de horas trabajadas por todos los trabajadores de la agencia de vivienda pública en el año fiscal, debe corresponder a trabajadores objetivo de la Sección 3.

¿Qué Sucede si no se Alcanzan los Objetivos de la Sección 3?

Los beneficiarios deben reportar de manera cualitativa sus esfuerzos y el de sus contratistas y subcontratistas para cumplir con la Sección 3.

¿Dónde Puedo Encontrar Oportunidades de la Sección 3 en mi Área?

Contacte las oficinas del gobierno local y estatal, y la agencia de vivienda pública en su área, para aprender más sobre oportunidades de empleo, capacitación, y contratos disponibles en su comunidad.

¿Cómo Puedo Aprender Más sobre la Sección 3?

Visite las siguientes páginas web:

- <http://www.hud.gov/section3>
- <http://www.hudexchange.info/programs/section-3/>

¿Quiere saber más sobre YouthBuild?

- <http://www.dol.gov/agencies/eta/youth/youthbuild>



SECCIÓN 3

para Trabajadores y Empresas

Aprenda sobre las oportunidades de empleo, capacitación, y contratos disponibles bajo la Sección 3.

¿Qué es la Sección 3 y Por Qué es Importante?

- Cada año, el Departamento de Vivienda y Desarrollo Urbano (HUD por sus siglas en inglés) invierte billones de dólares de fondos federales en comunidades pobres de todo el país para **proporcionar acceso a vivienda segura y económica, así como para mejorar la infraestructura pública.**
- Estos fondos pasan a las agencias de vivienda pública, los gobiernos locales y estatales, y otros beneficiarios, a través de subvenciones y otras formas de asistencia financiera.
- La asistencia financiera se puede usar para mantener y construir **vivienda económica y para mejorar la infraestructura pública** en su comunidad.
- **Las oportunidades de empleo, capacitación, y contratación** que resultan de los proyectos o contratos, deben estar dirigidas a personas con bajos ingresos (trabajadores de la Sección 3) y empresas o negocios cuyos propietarios o empleados son personas con bajos ingresos (empresas de la Sección 3), con el fin de ayudar a generar riqueza económica.
- Los esfuerzos se deben enfocar en generar oportunidades económicas para personas y empresas en el **orden de prioridad** establecido en los requisitos de la Regla final.

¿Quién es Responsable de Ofrecer Acceso a Oportunidades Económicas?

- Los beneficiarios y sub-beneficiarios de asistencia de HUD
- Los contratistas y sub-contratistas que trabajan en ciertos proyectos y contratos que reciben asistencia de HUD

¿Cómo Pueden los Contratistas Ayudar a las Agencias de Vivienda Pública (PHA por sus siglas en inglés) y a los Beneficiarios a Alcanzar los Objetivos de la Sección 3?

Los contratistas pueden ayudar a las PHA y a los beneficiarios a alcanzar los objetivos de la Sección 3 al designarse como empresas de la Sección 3 o al emplear a trabajadores de la Sección 3. Algunos beneficiarios o PHA pueden ofrecer incentivos a empresas que demuestren cómo esperan alcanzar los objetivos de la Sección 3.

¿Qué es un Trabajador de la Sección 3?

Un **trabajador de la Sección 3** es un trabajador que encaja, o encajaba en el momento de contratación en los últimos cinco años, y con la documentación necesaria, en al menos una de las siguientes categorías:

- Persona con bajos ingresos
- Empleado por una empresa de la Sección 3
- Participa en YouthBuild

¿Qué es un Trabajador Objetivo de la Sección 3?

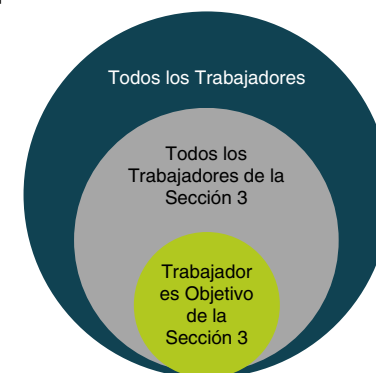
Un **trabajador objetivo de la Sección 3** es un trabajador empleado por una empresa bajo la Sección 3. También puede ser un trabajador que encaja, o encajaba en el momento de contratación en los últimos cinco años, y con la documentación necesaria, en al menos **una** de las siguientes categorías.

Asistencia Financiera para Vivienda y Desarrollo Comunitario

- Vive en el barrio donde está el proyecto
- Participa en YouthBuild

Asistencia Financiera para Vivienda Pública

- Residente de vivienda pública o vivienda asistida por la Sección 8
- Residente de otros proyectos de vivienda pública o vivienda asistida por la Sección 8, manejados por la PHA que ofrece la asistencia
- Participa en YouthBuild



¿Qué Empresa Cumple con la Sección 3?

Una empresa que ha cumplido en los últimos seis meses con al menos **una** de las siguientes categorías:

- Al menos 51% pertenece o está controlada por personas con bajos ingresos
- Al menos 51% pertenece o está controlada por actuales residentes de vivienda pública o residentes de vivienda asistida por la Sección 8
- Mas del 75% de las horas trabajadas en la empresa en los últimos tres meses, fueron trabajadas por trabajadores de la Sección 3



Ten Day Call Form

Subrecipient: City of Lumberton, NC

Project Name: Lumberton Flood Gates

Ten Day Call Information:

Person reviewing Wage Decision: Bill Blankenship

Date of re-review: March 04, 2025

Bid Opening Date: March 20, 2025

(If the small purchase method of procurement is used the above entry will be the bid tabulation date)

Wage Decision(s):

A: Flood Gate Construction
Type of work to be done (Contract)

NC20230070, 01/06/2023, Mod. 0
Decision(s) included in bid documents

NC20250070, 01/03/2025, Mod. 0
Current decision(s) as determined by DOL

Action: None
 Update Wage Decision by Addendum

B: N/A
Type of work to be done (Contract)

Decision(s) included in bid documents

Current decision(s) as determined by DOL

Action: None
 Update Wage Decision by Addendum

C: N/A
Type of work to be done (Contract)

Decision(s) included in bid documents

Current decision(s) as determined by DOL

Action: None
 Update Wage Decision by Addendum

D: N/A
Type of work to be done (Contract)

Decision(s) included in bid documents

Current decision(s) as determined by DOL

Action: None
 Update Wage Decision by Addendum

Comments: _____

Superseded General Decision Number: NC20240070

State: North Carolina

Construction Type: Heavy

Counties: Bladen, Cleveland, Columbus, Davidson, Duplin, Harnett, Iredell, Lee, Lenoir, Lincoln, Montgomery, Moore, Richmond, Robeson, Rowan, Sampson, Scotland, Stanly and Wilson Counties in North Carolina.

HEAVY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

SUNC2011-051 08/26/2011

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 15.47 **	1.50
CEMENT MASON/CONCRETE FINISHER...	\$ 13.10 **	1.32
LABORER: Common or General.....	\$ 9.52 **	0.00
LABORER: Pipelayer.....	\$ 12.13 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 16.18 **	0.00
TRUCK DRIVER.....	\$ 12.02 **	0.00

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

=====

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

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

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage

determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

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

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

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

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

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

The request should be accompanied by a full statement of the interested party's position and any information (wage payment

data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

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END OF GENERAL DECISION"

QUALIFICATIONS STATEMENT

Prepared by



Issued and Published Jointly by



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National Society of Professional Engineers
1420 King Street, Alexandria, VA 22314-2794
(703) 684-2882
www.nspe.org

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(202) 347-7474
www.acec.org

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400
(800) 548-2723
www.asce.org

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QUALIFICATIONS STATEMENT

THE INFORMATION SUPPLIED IN THIS DOCUMENT IS CONFIDENTIAL TO THE EXTENT PERMITTED BY LAWS AND REGULATIONS

1. SUBMITTED BY:

Official Name of Firm: _____

Address: _____

2. SUBMITTED TO: _____

3. SUBMITTED FOR: _____

Owner: _____

Project Name: _____

TYPE OF WORK: _____

4. CONTRACTOR'S CONTACT INFORMATION

Contact Person: _____

Title: _____

Phone: _____

Email: _____

5. AFFILIATED COMPANIES:

Name: _____

Address: _____

6. TYPE OF ORGANIZATION:

SOLE PROPRIETORSHIP

Name of Owner: _____

Doing Business As: _____

Date of Organization: _____

PARTNERSHIP

Date of Organization: _____

Type of Partnership: _____

Name of General Partner(s): _____

CORPORATION

State of Organization: _____

Date of Organization: _____

Executive Officers:

- President: _____

- Vice President(s): _____

- Treasurer: _____

- Secretary: _____

LIMITED LIABILITY COMPANY

State of Organization: _____

Date of Organization: _____

Members: _____

JOINT VENTURE

Sate of Organization: _____

Date of Organization: _____

Form of Organization: _____

Joint Venture Managing Partner

- Name: _____

- Address: _____

Joint Venture Managing Partner

- Name: _____

- Address: _____

Joint Venture Managing Partner

- Name: _____

- Address: _____

7. LICENSING

Jurisdiction: _____

Type of License: _____

License Number: _____

Jurisdiction: _____

Type of License: _____

License Number: _____

8. CERTIFICATIONS

CERTIFIED BY:

Disadvantage Business Enterprise: _____

Minority Business Enterprise: _____

Woman Owned Enterprise: _____

Small Business Enterprise: _____

Other (_____): _____

9. BONDING INFORMATION

Bonding Company: _____

Address: _____

Bonding Agent: _____

Address: _____

Contact Name: _____

Phone: _____

Aggregate Bonding Capacity: _____

Available Bonding Capacity as of date of this submittal: _____

10. FINANCIAL INFORMATION

Financial Institution: _____

Address: _____

Account Manager: _____

Phone: _____

INCLUDE AS AN ATTACHMENT AN AUDITED BALANCE SHEET FOR 2022 & 2023
AND AN UNAUDITED BALANCE SHEET FOR 2024.

11. CONSTRUCTION EXPERIENCE:

Current Experience:

List on **Schedule A** all uncompleted projects currently under contract (If Joint Venture list each participant's projects separately).

Previous Experience:

List on **Schedule B** all projects completed within the last 5 Years that highlight work relevant to the project such as construction of sheet piles, flood walls, and/or work around railroads. (If Joint Venture list each participant's projects separately).

Has firm listed in Section 1 ever failed to complete a construction contract awarded to it?

YES NO

If YES, attach as an Attachment details including Project Owner's contact information.

Has any Corporate Officer, Partner, Joint Venture participant or Proprietor ever failed to complete a construction contract awarded to them in their name or when acting as a principal of another entity?

YES NO

If YES, attach as an Attachment details including Project Owner's contact information.

Are there any judgments, claims, disputes or litigation pending or outstanding involving the firm listed in Section 1 or any of its officers (or any of its partners if a partnership or any of the individual entities if a joint venture)?

YES NO

If YES, attach as an Attachment details including Project Owner's contact information.

12. SAFETY PROGRAM:

Name of Contractor's Safety Officer: _____

Include the following as attachments:

Provide as an Attachment Contractor's (and Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid) OSHA No. 500- Log & Summary of Occupational Injuries & Illnesses for the past 5 years.

Provide as an Attachment Contractor's (and Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid) list of all OSHA Citations & Notifications of Penalty (monetary or other) received within the last 5 years (indicate disposition as applicable) - IF NONE SO STATE.

Provide as an Attachment Contractor's (and Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid) list of all safety citations or violations under any state all received within the last 5 years (indicate disposition as applicable) - IF NONE SO STATE.

Provide the following for the firm listed in Section V (and for each proposed Subcontractor furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid) the following (attach additional sheets as necessary):

Workers' compensation Experience Modification Rate (EMR) for the last 5 years:

YEAR	_____	EMR	_____
YEAR	_____	EMR	_____
YEAR	_____	EMR	_____
YEAR	_____	EMR	_____
YEAR	_____	EMR	_____

Total Recordable Frequency Rate (TRFR) for the last 5 years:

YEAR	_____	TRFR	_____
YEAR	_____	TRFR	_____
YEAR	_____	TRFR	_____
YEAR	_____	TRFR	_____
YEAR	_____	TRFR	_____

Total number of man-hours worked for the last 5 Years:

YEAR	_____	TOTAL NUMBER OF MAN-HOURS	_____
YEAR	_____	TOTAL NUMBER OF MAN-HOURS	_____
YEAR	_____	TOTAL NUMBER OF MAN-HOURS	_____
YEAR	_____	TOTAL NUMBER OF MAN-HOURS	_____
YEAR	_____	TOTAL NUMBER OF MAN-HOURS	_____

Provide Contractor's (and Contractor's proposed Subcontractors and Suppliers furnishing or performing Work having a value in excess of 10 percent of the total amount of the Bid) Days Away From Work, Days of Restricted Work Activity or Job Transfer (DART) incidence rate for the particular industry or type of Work to be performed by Contractor and each of Contractor's proposed Subcontractors and Suppliers) for the last 5 years:

YEAR	_____	DART	_____
YEAR	_____	DART	_____
YEAR	_____	DART	_____
YEAR	_____	DART	_____
YEAR	_____	DART	_____

13. EQUIPMENT:

MAJOR EQUIPMENT:

List on **Schedule C** all pieces of major equipment available for use on Owner's Project that are relevant to the working taking place on the project.

I HEREBY CERTIFY THAT THE INFORMATION SUBMITTED HEREWITH, INCLUDING ANY ATTACHMENTS, IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME OF ORGANIZATION: _____

BY: _____

TITLE: _____

DATED: _____

NOTARY ATTEST:

SUBSCRIBED AND SWORN TO BEFORE ME

THIS _____ DAY OF _____, 20__

NOTARY PUBLIC - STATE OF _____

MY COMMISSION EXPIRES: _____

REQUIRED ATTACHMENTS

1. Schedule A (Current Experience).
2. Schedule B (Previous Experience).
3. Schedule C (Major Equipment).
4. Audited balance sheet for each of the last 3 years for firm named in Section 1.
5. Evidence of authority for individuals listed in Section 7 to bind organization to an agreement.
6. Resumes of officers and key individuals (including Safety Officer) of firm named in Section 1.
7. Required safety program submittals listed in Section 13.
8. Additional items as pertinent.

SCHEDULE A

CURRENT EXPERIENCE

Project Name	Owner's Contact Person	Design Engineer	Contract Date	Type of Work	Status	Cost of Work
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				

SCHEDULE B

PREVIOUS EXPERIENCE (Include ALL Projects Completed within last 5 years)

Project Name	Owner's Contact Person	Design Engineer	Contract Date	Type of Work	Status	Cost of Work
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				

SCHEDULE B

PREVIOUS EXPERIENCE (Include ALL Projects Completed within last 5 years)

Project Name	Owner's Contact Person	Design Engineer	Contract Date	Type of Work	Status	Cost of Work
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				

SECTION 015000

TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including Modified General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Sections:
 - 1. Division 01 Section "Summary" for limitations on utility interruptions and other work restrictions.
 - 2. Division 01 Section "Submittal Procedures" for procedures for submitting copies of implementation and termination schedule and utility reports.
 - 3. Division 01 Section "Execution Requirements" for progress cleaning requirements.

1.3 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Price unless otherwise indicated. Allow other entities to use temporary services and facilities without cost, including, but not limited to Owner, Engineer, occupants of Project, testing agencies, and authorities having jurisdiction.
- B. Sewer Service: Pay sewer service use charges for sewer usage by all entities for construction operations.
- C. Water Service: Pay water service use charges for water used by all entities for construction operations.
- D. Electric Power Service: Pay electric power service use charges for electricity used by all entities for construction operations.

1.4 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.
- C. Construction Surveying: All work shall be constructed in accordance with the lines, grades and elevations shown on the plans or as given by the Engineer in the field. The Contractor shall be fully responsible for maintaining alignment and grade. All principal controlling points and base lines for locating the principal components of the work together with a suitable number of benchmarks adjacent to the work will be provided by the Engineer. From this information, the Contractor shall verify benchmarks and develop and make all detail surveys needed for construction. The Contractor shall protect and safeguard all points, stakes, grade marks, monuments, and benchmarks at the site of the work and shall reestablish, at his own expense, any marks which are removed or destroyed due to his construction operations.
 - 1. It is imperative that the Contractor work within the shown rights of way or easements at all times, unless approved otherwise by the property owner and the Engineer.
 - 2. The Contractor shall, at their expense, provide competent engineering survey services and shall provide and maintain accurate, detailed, survey work.
 - 3. The plans and supplementary drawings shall not be scaled and the Contractor must verify all dimensions and elevations at the site prior to proceeding with the work. The Contractor shall also verify existing utility locations prior to purchasing materials affected by these locations.

1.5 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Chain-Link Fencing: Minimum 2-inch, 0.148-inch thick, galvanized steel, chain-link fabric fencing; minimum 6 feet high with galvanized steel pipe posts; minimum 2-3/8-inch OD line posts and 2-7/8-inch OD corner and pull posts with 1-5/8-inch OD top rails with galvanized barbed-wire top strand.
- B. Portable Chain-Link Fencing: Minimum 2-inch, 0.148-inch, thick, galvanized steel, chain-link fabric fencing; minimum 6 feet high with galvanized steel pipe posts; minimum 2-3/8-inch OD line posts and 2-7/8-inch OD corner and pull posts, with 1-5/8-inch OD top and bottom rails. Provide concrete or galvanized steel bases for supporting posts.
- C. Wood Enclosure Fence: Plywood, 6 feet high, framed with four 2-by-4-inch rails, with preservative-treated wood posts spaced not more than 8 feet apart.
- D. Polyethylene Sheet: Reinforced, fire-resistive sheet, 10 mils minimum thickness, with flame-spread rating of 15 or less per ASTM E 84.

2.2 TEMPORARY FACILITIES

- A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.
- B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Engineer, and construction personnel office activities and to accommodate project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
 - 1. Furniture required for Project-site documents including file cabinets, plan tables, plan racks, and bookcases.
 - 2. Conference room of sufficient size to accommodate meetings of 10 individuals. Provide electrical power service and 120-V ac duplex receptacles, with not less than 1 receptacle on each wall. Furnish room with conference table, chairs, and 4-foot square tack and marker boards.
 - 3. Drinking water and private toilet.
 - 4. Coffee machine and supplies.
 - 5. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 degrees F.

6. Lighting fixtures capable of maintaining average illumination of 20 fc at desk height.
- C. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
1. Store combustible materials apart from building.

2.3 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.
- B. HVAC Equipment: Unless Owner authorizes use of permanent HVAC system, provide vented, self-contained, liquid-propane-gas or fuel-oil heaters with individual space thermostatic control.
1. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
 2. Heating Units: Listed and labeled for type of fuel being consumed, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
 3. Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter with MERV of 8 at each return air grille in system and remove at end of construction and clean HVAC system as required in Division 01 Section "Closeout Procedures".
- C. Air Filtration Units: HEPA primary and secondary filter-equipped portable units with four-stage filtration. Provide single switch for emergency shut off. Configure to run continuously.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
1. Locate facilities to limit site disturbance as specified in Division 01 Section "Summary."

- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

- A. **Water Service:** If available at the site and if authorized by the Owner, connect to Owner's existing water service facilities. Clean and maintain water service facilities in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use or as required for project completion. Otherwise, Contractor shall provide non-potable water form sources acceptable to authorities having jurisdiction by installing water service and distribution piping in sizes and pressures adequate for construction. If temporary utilities require connection to municipal systems, Contractor shall provide these connections as directed by authorities having jurisdiction and install metering devices as required.
- B. **Sanitary Facilities:** Contractor shall provide temporary toilets, wash facilities, drinking water and associated piping and appurtenances for use of Owner, Engineer, and construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities. If temporary utilities require connection to municipal systems, Contractor shall provide these connections as directed by authorities having jurisdiction.
- C. **Heating and Cooling:** Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.
- D. **Isolation of Work Areas in Occupied Facilities:** Prevent dust, fumes, and odors from entering occupied areas.
 - 1. Prior to commencing work, isolate the HVAC system in area where work is to be performed in accordance with approved coordination drawings.
 - a. Disconnect supply and return ductwork in work area from HVAC systems servicing occupied areas.
 - b. Maintain negative air pressure within work area using HEPA-equipped air filtration units, starting with commencement of temporary partition construction, and continuing until removal of temporary partitions is complete.
 - 2. Maintain dust partitions during the Work. Use vacuum collection attachments on dust-producing equipment. Isolate limited work within occupied areas using portable dust containment devices.

3. Perform daily construction cleanup and final cleanup using approved, HEPA-filter-equipped vacuum equipment.
- E. Ventilation and Humidity Control: If necessary, provide temporary ventilation required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce ambient condition required and minimize energy consumption.
 1. Provide dehumidification systems when required to reduce substrate moisture levels to level required to allow installation or application of finishes.
 - F. Electric Power Service: Contractor shall provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations. Comply with all requirements of authorities having jurisdiction.
 - G. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
 1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

3.3 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:
 1. Provide construction for temporary offices, shops, and sheds located within construction area. All work shall comply with NFPA 241.
 2. Maintain support facilities until Substantial Completion inspection is scheduled. Remove before Final Completion.
- B. Temporary Roads and Paved Areas: As necessary, construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas within construction limits indicated on Drawings.
 1. Provide dust-control treatment that is non-polluting and non-tracking. Reapply treatment as required to minimize dust.
- C. Temporary Use of Permanent Roads and Paved Areas: As necessary, locate temporary roads and paved areas in same location as permanent roads and paved areas. Construct and maintain temporary roads and paved areas

adequate for construction operations. Extend temporary roads and paved areas, within construction limits indicated, as necessary for construction operations.

1. Coordinate elevations of temporary roads and paved areas with permanent roads and paved areas.
2. Prepare subgrade and install subbase and base for temporary roads and paved areas according to other specification sections.
3. Recondition base after temporary use, including removing contaminated material, regrading, proofrolling, compacting, and testing.
4. Delay installation of final course of permanent hot-mix asphalt pavement until immediately before Substantial Completion. Repair hot-mix asphalt base-course pavement before installation of final course according to other specification sections.

D. Traffic Maintenance:

1. The Contractor shall provide, erect, and maintain all necessary barricades, suitable and sufficient warning lights, danger signals, and signs, shall provide a sufficient number of flagmen to direct the traffic and shall take all necessary precautions for the protection of the work and the safety of the public.
2. All barricades and obstructions or hazardous conditions shall be illuminated as necessary to provide safe traffic conditions.
3. Warning and caution signs shall be posted throughout the length of any portion of the project where traffic flow is restricted.
4. Protect existing site improvements to remain including curbs, pavement, and utilities.
5. Maintain access for fire-fighting equipment and access to fire hydrants.

E. Special Provisions: North Carolina Department of Transportation (NCDOT):

1. All Contractors doing work within the NCDOT right of way are to have a copy of the approved encroachment agreement plans, and special provisions on the job site.
2. The travelling public shall be warned of the construction with signing that is in accordance with the latest Manual on Uniform Traffic Control Devices.

3. Contact the appropriate utility company(ies) involved and make satisfactory arrangements to adjust utilities in conflict with the proposed work prior to construction.
 4. Materials and workmanship shall conform to the NCDOT's Standards and Specifications Manual.
 5. Strict compliance with the Policies and Procedures for Accommodating Utilities on Highway Rights of Way Manual shall be required.
 6. All earth areas disturbed shall be regraded and seeded in accordance with the NCDOT standards and specifications.
 7. Complete restoration including reestablishing ditch line, fertilizing, seeding, mulching, tacking of straw and all areas disturbed during construction will follow within a maximum of thirty (30) working days of the initial disturbing activity.
 8. All open cuts shall conform to the NCDOT Policies and Procedures for Accommodating Utilities on Highway Rights of Way Manual.
 9. All roadway signs which are removed due to installation will be reinstalled on the same day or as soon as possible.
 10. The Contractor shall notify the local NCDOT office at least 24 hours prior to construction.
- F. Parking: Provide temporary parking areas for construction personnel.
- G. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties nor endanger permanent Work or temporary facilities.
 2. Remove snow and ice as required to minimize accumulation.
- H. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
1. Identification Signs: The City shall provide Project identification signs as indicated within the Contract Documents.
 2. Temporary Signs: Contractor shall provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.

- a. As necessary, provide temporary directional signs for construction personnel and visitors.
- 3. Maintain and touchup signs so they are easily legible at all times.
- I. Waste Disposal Facilities: Comply with requirements specified in Division 01 Section "Construction Waste Management."
- J. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with Division 01 Section "Execution Requirements" for progress cleaning requirements.
- K. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
 - 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- L. Temporary Stairs: Until permanent stairs are available, provide temporary stairs where ladders are not adequate.
- M. Existing Stair Usage: Where and when approved by the Owner, use of Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use.
 - 1. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If stairs become damaged, restore damaged areas so no evidence remains of correction work.
- N. Temporary Use of Permanent Stairs: Use of new stairs for construction traffic will be permitted, provided stairs are protected and finishes are restored to new condition at time of Substantial Completion.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
 - 1. Comply with work restrictions specified in Division 01 Section "Summary."
- B. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to

undisturbed areas and to adjacent properties, according to requirements of authorities having jurisdiction.

1. Install erosion control measures as shown on the Drawings and as specified in the Contract Documents as necessary to prevent erosion and prevent soil-bearing water runoff from reaching nearby waterways, and storm water conveyance systems.
 2. Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
 3. Clean, repair, and restore adjoining properties, roads, storm water systems, and other areas affected by erosion and sedimentation from the project site during the course of the project.
 4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- C. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.
- D. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.
- E. Site Enclosure Fence: Before construction operations begin, furnish, and install site enclosure fence in a manner that will prevent people and animals from easily entering site except by entrance gates.
1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
 2. Maintain security by limiting the number of keys and restricting distribution to authorized personnel. Furnish one set of keys to Owner.
- F. Security Enclosure and Lockup: As necessary, install temporary enclosures around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at the end of each workday.
- G. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- H. Temporary Egress: Maintain temporary egress from existing occupied facilities as indicated and as required by authorities having jurisdiction.

- I. Covered Walkway: As necessary, erect protective covered walkway for passage of individuals through or adjacent to Project site. Coordinate with entrance gates, other facilities, and obstructions. Comply with regulations of authorities having jurisdiction.
 - 1. Construct covered walkways using scaffold or shoring framing.
 - 2. Provide overhead decking, protective enclosure walls, handrails, barricades, warning signs, exit signs, lights, safe and well-drained walkways, and similar provisions for protection and safe passage.
 - 3. Paint and maintain appearance of walkway for duration of the Work.
- J. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities.
 - 1. Where heating or cooling is needed and permanent enclosure is not complete, insulate temporary enclosures.
- K. Temporary Partitions: When necessary, provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner from fumes and noise.
 - 1. Construct dustproof partitions with gypsum wallboard with joints taped on occupied side, and fire-retardant plywood on construction operations side.
 - 2. Construct dustproof partitions with two layers of 6-mil polyethylene sheet on each side. Cover floor with two layers of 6-mil polyethylene sheet, extending sheets 18 inches up the sidewalls. Overlap and tape full length of joints. Cover floor with fire-retardant treated plywood.
 - a. Construct vestibule and airlock at each entrance through temporary partition with not less than 48 inches between doors. Maintain water-dampened foot mats in vestibule.
 - 3. Where fire-resistance-rated temporary partitions are indicated or are required by authorities having jurisdiction, construct partitions according to the rated assemblies.
 - 4. Insulate partitions to control noise transmission to occupied areas.
 - 5. Seal joints and perimeter. Equip partitions with gasketed dustproof doors and security locks where openings are required.
 - 6. Protect air-handling equipment.

7. Provide walk-off mats at each entrance through temporary partition.
- L. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.
 1. Prohibit smoking in construction areas.
 2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
 3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

3.5 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture-Protection Plan: Avoid trapping water in finished work. Document visible signs of mold that may appear during construction.
- B. Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
 1. Protect porous materials from water damage.
 2. Protect stored and installed material from flowing or standing water.
 3. Keep porous and organic materials from coming into prolonged contact with concrete.
 4. Remove standing water from all surfaces.
- C. Partially Enclosed Construction Phase: After installation of weather barriers but before full enclosure and conditioning of appropriate construction area, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
 1. Do not load or install drywall or other porous materials or components, or items with high organic content, into partially enclosed areas.
 2. Keep interior spaces reasonably clean and protected from water damage.
 3. Periodically collect and remove waste containing cellulose or other organic matter.
 4. Discard or replace water-damaged material.
 5. Do not install material that is wet.
 6. Discard, replace or clean stored or installed material that begins to grow mold.

7. Perform work in a sequence that allows any wet materials adequate time to dry before enclosing the material in drywall or other interior finishes.
- D. Controlled Construction Phase of Construction: After completing and sealing of the construction areas but prior to the full operation of permanent HVAC systems, maintain as follows:
1. Control moisture and humidity inside area by maintaining effective dry-in conditions.
 2. Use permanent HVAC system to control humidity.
 3. Comply with manufacturer's written instructions for temperature, relative humidity, and exposure to water limits.
 - a. Hygroscopic materials that may support mold growth, including wood and gypsum-based products, that become wet during the course of construction and remain wet for 48 hours are considered defective.
 - b. Measure moisture content of materials that have been exposed to moisture during construction operations or after installation. Record daily readings over a forty-eight-hour period. Identify materials containing moisture levels higher than allowed. Report findings in writing to Engineer.
 - c. Remove materials that cannot be completely restored to their manufactured moisture level within 48 hours.

3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
 1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.
- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facilities. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

1. Materials and facilities that constitute temporary facilities are property of Contractor.
2. Remove temporary roads and paved areas not intended for or acceptable for integration into permanent construction. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs, and sidewalks at temporary entrances, as required by authorities having jurisdiction.
3. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Division 01 Section "Closeout Procedures."

END OF SECTION 015000

SECTION 015300 – RAILROAD WORK

PART 1 GENERAL

1.1 SCOPE

The work covered by this section consists of furnishing all plant, equipment, labor and materials required to perform work in connection with construction activities within the rights-of-way of the CSX inclusive of all coordination and construction of temporary and permanent facilities to sustain railroad operations during construction of the railroad gate monoliths as shown on the plans. The work covered by this section consists of, but is not limited to, the following items which shall be performed by the Contractor and/or by the labor forces of the CSX:

1. Removal of segments of existing CSX tracks.
2. Construction of temporary falsework for the one (1) existing CSX tracks, to include removal and installation of the "jump spans".
3. Initial coordination and sequencing of temporary shoring construction for floodgate construction across the one (1) existing track. Construction of temporary shoring is covered in section 0225200 "TEMPORARY RETAINING STRUCTURES".

The Contractor shall make arrangements with the railroad company prior to commencing work on the railroad crossing in accordance with the provisions of Section 011000 "Summary", paragraph entitled WORK ON OR ADJACENT TO RAILROAD.

1.2 AUTHORITY OF THE RAILROAD ENGINEER

When Railroad Engineer is referred to in this section, or in any part of the specifications, it will mean the authorized representative of the CSX Railroad. The Railroad Engineer, working in conjunction with and through the Engineer, shall have final authority in all questions affecting the safety and maintenance of railroad traffic, the adequacy of foundations and the temporary structure(s), which will carry the tracks. His approval shall be obtained by the Contractor for methods of construction as well as the time periods when certain portions of the work may be performed with the least interference of traffic. The Railroad Engineer for CSX Railroad is Mr. Wayne Bolen, PE Contact information is as follows:

Wayne Bolen, PE
Benesch, Public Projects Group Manager
wbolen@benesch.com
Direct: (513) 549-5916
Mobile: (859) 250-5483

1.3 MEASUREMENT AND PAYMENT

A. Falsework

No measurement will be made for temporary falsework for CSX Gate. Payment will be made at the contract lump sum price for "Temporary Falsework for CSX Gate". Price and payment shall

constitute full compensation for furnishing all plant, labor, materials and equipment (excluding structural excavation and backfill, railroad inspection services, railroad insurance, construction of temporary shoring) required for driving steel pipe piles, steel pile caps, fabricating placing and removing structural steel falsework, removing temporary falsework structures, coordination, disposal of removed material and structures all as herein specified and as indicated on the drawings.

B. Track Work

No measurement will be made for track work. Track work performed by the railroad company will be paid at the contract lump sum price for "Track Work, CSX". Price and payment shall constitute full reimbursement to the Contractor for all plant, equipment, labor, and materials supplied by the Railroad Company to prepare subgrade, place ballast, and install rails and ties, for permanent tracks upon completion of each floodgate monolith, as well as adjusting existing tracks to accommodate the temporary falsework at the CSX Rails.

1.4 SUBMITTALS

Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

Preconstruction Submittals

Construction Progress Schedule: A schedule and sequence of operations covering all phases of both temporary and permanent construction for the swing gate monolith.

Shop Drawings

Shop Drawings:

Complete shop drawings showing all materials and temporary falsework details, including diagrams illustrating required clearances from active tracks and clearances from temporary shoring.

Construction sequencing drawings clearly depicting proposed phasing as tied to coordinated "Track Windows". Submittal shall also include written verification of coordination with the railroad consisting of a concurrence memo signed by the Railroad Engineer.

1.5 QUALITY CONTROL

A. General

The Contractor shall establish and maintain quality control for work necessary to sustain railroad operations during construction of the gate monoliths and he shall maintain records of his quality control for all construction operations including but not limited to the following:

1. Checking locations, elevations and dimensions of existing railroad tracks and new structures and grades.
2. Inspection on delivery of materials for damage and defects. The

Contractor is to certify that all materials are in compliance with applicable specifications.

3. Checking operations including earthwork, pile driving and timber work and certifying compliance with applicable sections of the specifications.
4. Checking deflections and movements of excavation, sheeting and bracing during construction, when trains pass or as otherwise directed by the Engineer.

All excavation and backfill required for work described in this section shall conform to the applicable provisions of Spec Section 312316, "Excavation". All timber work and the driving of steel piles shall conform with applicable details shown on the drawings and applicable provisions of this section of the specifications. All structural steel shall conform with applicable details shown on the drawings and to ASTM A 992, and A 572 Grade 50.

B. Reporting

The original and two copies of these records of inspections and tests, as well as the records of corrective action taken, shall be furnished the Engineer daily. Format of the report shall be submitted to the Engineer for review and approval.

1.6 RAILROAD OPERATIONS

A. General

All work shall be scheduled and conducted in such a manner as not to interfere with the operation of railroad traffic. All work undertaken which could interfere in any manner with railroad operations shall be coordinated with the Engineer and the Railroad Engineer or his designated representative who will determine on a daily basis and advise the Contractor of the approximate time interval between trains.

B. Track Windows

During construction of the permanent floodgate, to include installation of temporary shoring and falsework (to include foundation piles, pile caps, and "jump-spans"), periodic removal and replacement of "jump-spans", final removal of pile caps and jump spans, completion of the permanent floodgate, and re-installation of permanent ballast, ties, and rails, the Contractor will be allowed "Track Windows" of six (6) and twelve (12) hour intervals to complete portions of the work. Available "Track Windows" are:

Table 1: Available Track Windows

Wind Interval	Max No. Windows/Week	Day/Time Window(s) Available
6-hours	2 to 3	Mondays & Wednesdays, 0600-1200
12- hours	1	Tuesdays 0600 to 1800

The Contractor may either schedule two (2) to three (3) six-hour "Track Windows" per week or a

single twelve-hour "Track Window" per week. "Track Windows" constitute a full closure of individual tracks to rail traffic. "Track Windows" shall be strictly adhered to, as violation of the timeframes presented above can result in the disruption of nationwide rail service. The first violation of the pre-established track window timeframe will result in the need for the Contractor to develop a corrective action plan for presentation to the Engineer and the Railroad Engineer.

A second violation may result in revocation of the Contractor's right-of-entry to railroad property and assessment of additional penalty fees. The Contractor shall notify the Railroad Engineer of the proposed times and dates for proposed "Track Windows" a

minimum of thirty (30) days prior to commencement of the construction activity requiring the window.

The Railroad Engineer is identified in paragraph, AUTHORITY OF THE RAILROAD ENGINEER.

C. Approximate Train Schedules

The following schedules are provided for the Contractor's use in developing a schedule of "Track Windows". Note that these schedules are approximate and subject to change. The Contractor is responsible for coordinating with the railroad company to determine actual schedules.

CSX Tracks

1. Freight*: 18 - 25 trains daily
2. Amtrak: Maximum of 1 train per day (CSX Tracks are reserve/backup route when the BNSF tracks are out of service; actual schedule may vary and shall be coordinated with the railroad company).

*Freight train schedules can be adjusted to accommodate Track Windows. Note that timetable speeds for freight trains are 55 mph.

D. Clearances

The Contractor shall at all times maintain a side clearance of not less than 15 feet from center of track and an overhead clearance of not less than 22 feet above top of rail. If interference or temporary placement of obstructions within the specific clearances are necessary, the Contractor shall not proceed without specific authority and approval of the Railroad Engineer and the Engineer. Material and equipment shall not be stored within 25'-0" from the centerline of the nearest track nor stored within 250 feet of any highway at-grade crossing or temporary construction crossing where storage of the same will obstruct the view of approaching trains. Prior to commencement of work near the tracks, the Contractor shall establish a storage area with concurrence of the Railroad Engineer.

E. Flagging Protection or Watchmen

The City shall obtain services for flagmen or watchmen in accordance with the provisions of 011000, "Summary".

1.7 Railroad Safety Requirements

A. Initial Certifications and Safety Action Plan

No employee of the Contractor, its subcontractors, agents or invitees may enter Railway Property without first having completed Railway's Engineering Contractor Safety Orientation, found on the web site www.contractororientation.com. The Contractor shall ensure that each of its employees, subcontractors, agents or invitees completes Railway's Engineering Contractor Safety Orientation through internet sessions before any work is performed on the Project. Additionally, the Contractor shall ensure that each and every one of its employees, subcontractors, agents or invitees possesses a card certifying completion of the Railway Contractor Safety Orientation before entering Railway

Property. The Contractor is responsible for the cost of the Railway Contractor Safety Orientation. The Contractor shall renew the Railway Contractor Safety Orientation annually. Further clarification can be found on the web site or from the Railway's Representative. Each Contractor that will perform work within 25 feet of the centerline of a track shall develop and implement a Roadway Worker Protection/On Track Safety Program and work with Railway Project Representative to develop an on track safety strategy as described in the guidelines listed in the on track safety portion of the Safety Orientation.

This Program shall provide Roadway Worker protection/on track training for all employees of the Contractor, its subcontractors, agents or invitees.

This training is reinforced at the job site through job safety briefings. Additionally, each Contractor shall develop and implement the Safety Action Plan, as provided for on the web site www.contractororientation.com, which will be made available to Railway prior to commencement of any work on Railway Property. During the performance of work, the Contractor shall audit its work activities. The Contractor shall designate an on site Project Supervisor who will serve as the contact person for the Railway and who will maintain a copy of the Safety Action Plan, safety audits, and Material Safety Datasheets (MSDS), at the job site.

B. General Safety Requirements

Work in the proximity of railway track(s) is potentially hazardous where movement of trains and equipment can occur at any time and in any direction. All work performed by contractors within 25 feet of any track shall be in compliance with FRA Roadway Worker Protection Regulations. Before beginning any task on Railway Property, a thorough job safety briefing shall be conducted with all personnel involved with the task and repeated when the personnel or task changes. If the task is within 25 feet of any track, the job briefing shall include the Railway's flagger, as applicable, and include the procedures the Contractor will use to protect its employees, subcontractors, agents or invitees from moving any equipment adjacent to or across any Railway track(s). Workers shall not work within 25 feet of the centerline of any track without an on track safety strategy approved by the Railway's Project Representative. When authority is provided, every contractor employee shall know: (1) who the Railway flagger is, and how to contact the flagger, (2) limits of the authority, (3) the method of communication to stop and resume work, and (4) location of the designated places of safety. Persons or equipment entering flag/work limits that were not previously job briefed, shall notify the flagger immediately, and be given a job briefing when working within 25 feet of the center line of track. When Contractor employees are required to work on the Railway Property after normal working hours or on weekends, the Railroad's representative in charge of the project shall be notified. A minimum of two employees shall be present at all times.

C. Redundancy of Equipment

When working in the CSX Railroad Right-of-Way, the Contractor shall have sufficient equipment onsite to be able to quickly remove any disabled vehicle, crane, or other equipment from the CSX Railroad Right-of-Way, should a breakdown occur. Additionally, should a breakdown of any equipment result in a blockage of CSX Tracks (i.e. with half-driven piles, partially installed jump-span bridges, etc.), sufficient redundancy of equipment shall be provided to immediately remedy the blockage by removal of obstructions, completion of pile driving, completion of jump-span installation, or other activity required to clear the tracks for rail traffic.

D. CSX Fire Prevention and Smoking Policies

While working on CSX right-of-way, the Contractor shall adhere to the CSX Fire Prevention and Smoking Policies, attached at the end of this section.

1.8 Areas of Responsibility

A. Railroad Company Responsibilities

The railroad companies will be reimbursed by the Contractor and will furnish all plant, materials, equipment, and labor required to perform the following work:

1. Removal of sections of rail and timber cross ties to facilitate Contractor installation of temporary shoring, permanent piling, and falsework.
2. Placement of all ballast, ties, and rails, for temporary and permanent application, including rails and ties for the jump span component of temporary falsework.
3. Furnish flagging, watchman, and inspection services, as described in Section 011000 "Summary".
4. Provide "Track Windows" to facilitate completion of floodgate construction.

B. Contractor Responsibilities

The Contractor shall be responsible for the construction of all permanent features of the railroad floodgate monolith and steel swing gate as well as site access and temporary structures. The Contractor shall also be responsible for all coordination with the railroad, including coordination of "Track Windows" as described herein. Major features of work on railroad company right of way and general requirements that will be the Contractor's responsibility include:

1. Permanent floodgate structure to include pre-cast concrete piles, sheet piling, reinforced concrete base slab, walls, and pilasters, precast sill beam, steel swing gates and all appurtenances.
2. Temporary falsework, as described herein, to include all foundation, superstructure, and

jump spans (excluding rails and ties). The Contractor shall be responsible for construction, installation/removal during construction, and removal of the temporary falsework superstructure (all piles to remain in place).

3. Temporary Shoring, as described herein and in Section 0225200, "TEMPORARY RETAINING STRUCTURES," to include construction of Contractor -designed shoring and removal of all bracing. Note that all sheet piling within railroad company right of way shall be left in place.
4. Clearing, grubbing, excavation, backfilling, finish grading, and turfing.
5. Procurement of the required insurance as described in Section 011000 "Summary"
6. Coordination of "Track Windows" and inspection services.
7. Obtaining all required permits from the railroad company.
8. All other activities incidental to the construction of the floodgate not specifically listed as a railroad company responsibility.

1.9 Addenda to Specifications

At the end of this specification section are additional documents outlining restrictions and requirements for Contractor entry onto each Railroad Company's right of way. Attached are:

1. CSX - Fire Prevention Policy
2. CSX- Smoking Policy
3. CSX- Sample Temporary Crossing Permit
4. CSX - Exhibit F Contractor's ROE Agreement PART 2

PRODUCTS

2.1 MATERIALS

A. Structural Steel

Except for the temporary steel pipe piles, all steel shapes and plates in the temporary falsework shall be new or used material in good condition, meeting the requirements of ASTM A992, and ASTM A572 Grade 50 . Mill test reports will not be required.

B. Hardware

All hardware in the temporary falsework shall have the minimum diameter and length shown on the plans and shall be new or used material in good condition. A clearance of at least 12.0 ft shall be

provided from the centerline of each track to the edge.

C. Timber

All railroad ties and guard timbers will be furnished by the CSX Railroad Company. Materials for the removable work way including, railing posts, handrails and walk planks, shall be furnished by the Contractor. The Contractor shall furnish a bill of timber materials to the Railroad Engineer.

D. Rails and Rail Hardware

All rails (track) and rail (track) hardware will be furnished and installed by CSX. Top of rail final elevations of all rails at the sill will be at a tolerance of 1/8"(+/-).

E. Steel Pipe Piles

Steel pipe piles shall conform to the requirements of Section 316216 12, "STEEL PIPE PILES."

F. Lengths of Piles

The lengths of piles shall be as shown on the drawings. Piles shall be cut off after driving and capped as shown. To provide for "heading" and cutting off after driving, piles shall be furnished in lengths at least 1 foot greater than the lengths shown.

G. Ballast

Ballast for backfill under the track will be furnished by the CSX Railway Company.

PART 3 EXECUTION

3.1 General Sequence of Construction

The sequence of construction shown on the plans shall generally be followed, but the Contractor will be permitted to adjust as necessary to his means and methods and coordinated "Track Windows". The Contractor shall submit his final construction sequence along with a letter of concurrence signed by the Railroad Engineer for approval in accordance with paragraph "SUBMITTALS" and "RAILROAD OPERATIONS", above.

3.2 Drainage

The Contractor shall provide suitable drainage measures to assure his operations do not create ponding within Railroad Company right of way.

3.3 Falsework

The Contractor shall completely prefabricate the temporary falsework bridge, walkways, handrails and caps for the pipe piles, and shall have this material and steel pipe piles on hand before starting to drive the piling for the temporary falsework. The Contractor shall be responsible for removing the temporary falsework, when necessary for the performance of other work on this contract, and shall also be responsible for reinstalling the falsework and re-bolting the rails at the completion of each

removal period. After steel pipe piles are driven they shall be carefully cut so that the steel beam cap will bear equally on the contact surface of each pile with no gaps or voids. If any noticeable gaps or voids occur for any reason, the Contractor may be required to reinforce the connection by steel shims and by such method as may be required by the Engineer at no additional cost to the Owner. Welding shall conform to the applicable provisions of Section 055010, "METALWORK FABRICATION, MACHINE WORK, AND MISCELLANEOUS PROVISIONS". The plank walkway and handrail shall transition smoothly at each end of the falsework.

3.4 Excavation, Sheet piling and Bracing

A. Excavation

The Contractor shall excavate beneath the existing railroad tracks according to the approved sequence of construction and in a manner which meets with the approval of the Engineer and the Railroad Company. Excavation shall be done carefully so as not to disturb adjacent soil, which carry train loads during the approved sequence of construction.

Any soil disturbed shall be replaced prior to being subject to train loads with suitable material placed in 6-inch layers and each layer shall be compacted to a density equal to the requirements of the CSX Railway Company by and at the expense of the Contractor.

B. Sheet piling and Bracing

The Contractor shall be responsible for installation of sheet piling and bracing the excavation as specified in Section 0225200 "Temporary Retaining Structures". The Contractor shall install the sheet piling and bracing system during the approved sequence of construction as described above and in Section 0225200 "Temporary Retaining Structures". The railroad falsework and steel pipe piles shown on the drawing and specified herein are for the support of vertical train loads only and should not be used for lateral support of the sheet piling and bracing system unless otherwise approved by the Engineer.

3.5 Removal of Temporary Structures

Temporary structures will include steel falsework, steel pile caps, concrete forms, and all sheet piling and bracing unless otherwise directed by the Engineer. All temporary structures shall be carefully removed according to the approved sequence of construction to a minimum depth of 3 feet below existing grade. Removal of these structures shall be done as much as possible without disturbing soil which will carry train loads. Any soil so disturbed will be removed and replaced with suitable material as specified in Section 312316 "Excavation". All temporary structures so removed will become the property of the Contractor.

END OF SECTION 015300

ineligible, or voluntarily excluded from participation in this Contract by any federal department or agency.

(2) Where the Contractor or subcontractors are unable to certify to any of the statements in this certification, the Contractor or subcontractors shall attach an explanation to this bid.

See also 2 C.F.R. part 180 and 2 C.F.R. § 200.342.

28. **EDA PROJECT SIGN**

The City shall supply, erect, and maintain in good condition a Project sign according to the specifications provided by EDA. To the extent practical, the sign should be a free standing sign. Project signs shall not be located on public highway rights-of-way. Location and height of signs will be coordinated with the local agency responsible for highway or street safety in the Project area, if any possibility exists for obstructing vehicular traffic line of sight. Whenever the EDA site sign specifications conflict with State law or local ordinances, the EDA Regional Director will permit such conflicting specifications to be modified so as to comply with State law or local ordinance.

29. **BUY AMERICA**

To the greatest extent practicable, contractors are encouraged to purchase American-made equipment and products with funding provided under EDA financial assistance awards.

EDA PROJECT SIGN

The City shall supply, erect, and maintain in good condition a project sign according to the specifications set forth below:

EDA SITE SIGN SPECIFICATIONS

Size: 4' x 8' x ¾"

Materials: Exterior grade/MDO plywood (APA rating A-B)

Supports: 4" x 4" x 12' posts with 2" x 4" cross branching

Erection: Posts shall be set a minimum of three feet deep in concrete footings that are at least 12" in diameter.

Paint: Outdoor enamel

Colors: Jet Black, Blue (PMS300), and Gold (PMS7406). Specifically, on white background the following will be placed:

The U. S. Department of Commerce seal in blue, black, and gold;

“EDA” in blue;

“U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT
ADMINISTRATION” in black;

“In partnership with” in blue;

(Actual name of the) “EDA Grant Recipient” in black;

Lettering: Specific fonts are named below; positioning will be as shown on the attached illustration.

“U. S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT
ADMINISTRATION” use Bank Gothic Medium - **BANK GOTHIC MED**

“In partnership with” use Univers™ 55 Oblique - *Univers 55*

(Name of) “EDA Grant Recipient” use Univers™ Extra Black 85 **Univers 85**

Project signs will not be erected on public highway rights-of-way. If any possibility exists for obstruction to traffic line of sight, the location and height of the sign will be coordinated with the agency responsible for highway or street safety in the area.

The EDA Regional Director may permit modifications to these specifications if they conflict with state law or local ordinances.



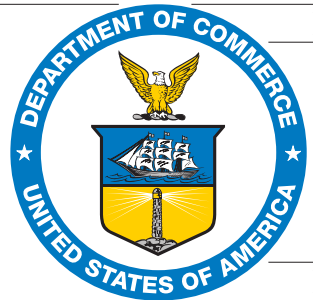
EDA

U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>

Black
Blue= PMS300
Gold= PMS7406



EDA

U.S. DEPARTMENT OF COMMERCE ECONOMIC DEVELOPMENT ADMINISTRATION

In partnership with

<EDA Grant Recipient Name>

2.25"

13.5"

1.75"

1.75"

10"

2.0"

1.5"

4.0"

3.0"

3.0"

3.75"

15.0"

48"