

PROJECT MANUAL

RANDOLPH ROAD REHABILITATION

JUNE 2021

**NLR CITY ENGINEERING
PROJECT NO. 21-01**

Prepared By:
NLR City Engineering
500 W. 13th Street
North Little Rock, Arkansas 72114

RANDOLPH ROAD REHABILITATION

City Engineering Project No. 21-01

PROJECT MANUAL

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CITY OF NORTH LITTLE ROCK, ARKANSAS
COMMERCE DEPARTMENT
Mary Beth Bowman, Director
Amy Smith, Assistant Director for Procurement
Crystal Willis, Admin. Sect./Assistant Purchasing Agent



120 MAIN STREET, North Little Rock, AR 72114
P.O. BOX 5757, North Little Rock, AR 72119
501-975-8881 Phone
501-975-8885 Fax

INVITATION TO BID/PROPOSAL COVER SHEET

Bid Number: 21-3694 Date Issued: Sunday, March 23, 2021

Date & Time Bid Opening: Tuesday, June 8, 2021 @ 10:00am.

Randolph Road Rehabilitation

Total Project Bid Price: \$ _____

Plans and specifications may be obtained from:

- Commerce Department at 120 Main Street, North Little Rock, AR 72114
- www.nlr.ar.gov click on the tab "Business," select "Bids and Vendors" and then choose "Current Bids."
- Please direct all technical questions in writing to Michael Klamm at mklamm@nlr.ar.gov.
- General bid questions should be directed to the Commerce Department at 501-975-8881.

The City of North Little Rock encourages participation of small, minority, and woman own business enterprises in the procurement of goods, services, professional services, and construction, either as a general contractor or sub-contractor. It is further requested that whenever possible, majority contractors who require sub-contractors, seek qualified small, minority, and woman businesses to partner with them.

If you are obtaining this bid from our website, please be reminded that addendums may occur. It is therefore advisable that you review our listings for attachments including any changes to the bid.

Note: FAILURE TO FILL OUT AND SIGN THE INVITATION TO BID SHEET WILL RESULT IN REJECTION OF THE BID.

EXECUTION OF BID

Upon signing this page, the organization certifies that they have read and agree to the requirements set forth in this bid including conditions set forth and pertinent information requests.

Name of Firm: _____ Phone No.: _____

Arkansas Tax Permit No.: _____

Business Address: _____

Signature of Authorized Person: _____

Title: _____ Date: _____

PLEASE PUBLISH THE FOLLOWING LEGAL NOTICE ON:

Sunday, May 23, 2021

And

Sunday, May 30, 2021

**Notice to bidders
Bid #21-3706**

Notice is hereby given that the City of North Little Rock's Commerce Department will receive sealed proposals until, Tuesday, June 8, 2021 at 10:00am on the following:

RANDOLPH ROAD REHABILITATION

1. NOTICE TO THE GENERAL CONTRACTORS

Sealed bids for **RANDOLPH ROAD REHABILITATION** will be received by the City of North Little Rock, at 10:00 am on Tuesday, June 8, 2021, at 120 Main Street, North Little Rock, Arkansas and then be publicly opened and read aloud. Any bids not submitted on time will be returned unopened.

2. SCOPE OF WORK

The Contractor shall complete all work as specified or indicated in the Contract Documents. The work is generally described as follows: Base failure repairs and asphalt overlay of Randolph Road.

3. SINGLE PROPOSAL

Bidders shall submit one proposal for the entire project.

4. BID SUBMISSION

Bids shall be submitted on the form within the project manual and shall be delivered in a clearly identified, sealed, opaque envelope prior to the date and time described above.

5. AVAILABILITY OF CONSTRUCTION DOCUMENTS

Bona fide bidders may obtain documents at the address listed below, on the following basis:

- a. Drawings and Specifications may be examined at the following places:

COMMERCE DEPARTMENT
120 Main Street
North Little Rock, AR 72114
(501) 975-8881
Fax 975-8885

- a. www.nlr.ar.gov click on the tab “Business,” select “Bids and Vendors” and then choose “Current Bids.”

6. BID SECURITY

Bid security in the amount of five (5%) percent of the Base Proposal must accompany each proposal as described in the “Instruction to Bidders”.

7. WITHDRAWAL OF BIDS

No bid may be withdrawn for a period of sixty (60) days subsequent to date of the opening of Proposals and in accordance with the "Supplemental Instructions to Bidders" without consent of the Owner.

8. COMPLIANCE WITH ARKANSAS STATUTES

All bidders shall comply with the requirements of the Contractor’s Licensing Law of the State of Arkansas, and all applicable Arkansas regulations. All bonds on this project shall comply with Arkansas Statutory Performance and Payment Bond Law, Act 351 of 1953, as amended by Act 209 of 1957.

9. REJECTION OF BIDS

The Owner reserves the right to reject any or all bids and to waive any irregularities. Proposals which fail to comply fully with the provisions of the specifications and other Contract Documents will be considered invalid and may not receive consideration.

The right is reserved by the City of North Little Rock to reject any or all bids, in whole or part, or award items separately, or to waive informalities in bids received.

The City of North Little Rock encourages participation from MBE/DBE/WBE and SBA vendors.

CITY OF NORTH LITTLE ROCK

Amy Smith
Assistant Director for Procurement

Purchase Order No. _____

Send invoice and proof of publication to:

Amy Smith
Commerce Department
P.O. Box 5757
North Little Rock, AR 72119

GENERAL TERMS AND CONDITIONS FOR THE CITY OF NORTH LITTLE ROCK, AR

1. When submitting an "Invitation to Bid," the bidder warrants that the commodities covered by the bid shall be free from defects in material and workmanship under normal use and service. In addition, bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Invitation to Bid."
2. Prices quoted are to be net process, and when an error is made in extending total prices, the City may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.
3. Discounts offered will be taken when the City qualifies for such. The beginning date for computing discounts will be the date of invoice or the date of delivery and acceptance, whichever is later.
4. When bidding other than the brand and/or model specified in the "Invitation to Bid," the brand and/or model number must be stated by that item in the "Invitation to Bid," and descriptive literature be submitted with the bid.
5. The City reserves the right to reject any and all bids.
6. The Purchasing office reserves the right to award items, all or none, or by line item(s).
7. Quality, time and probability of performance may be factors in making an award.
8. Bid quotes submitted will remain firm for 30 calendar days from bid opening date; however, the prices may remain firm for a longer period of time if mutually agreeable between bidder and the Department of Commerce.
9. Bidder must submit a completed signed copy of the front page of the "Invitation to Bid" and must submit any other information required in the "Invitation to Bid."
10. In the event a contract is entered into pursuant to the "Invitation to Bid," the bidder shall not discriminate against any qualified employee or qualified applicant for employment because of race, sex, color, creed, national origin or ancestry. The bidder must include in any and all subcontracts a provision similar to the above.
11. Sales or use tax is not to be included in the bid price, but is to be added by the vendor to the invoice billing to the City. Although use tax is not to be included in this bid, vendors are to register and pay tax direct to the Arkansas State Revenue Department.
12. Prices quoted shall be "Free on Board" (F.O.B.) to destination at designated facility in North Little Rock. Charges may not be added after the bid is opened.
13. In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders or split in any proportion between them at the discretion of the Department of Commerce..
14. Specifications furnished with this Invitation are intended to establish a desired quality or performance level, or other minimum dimensions and capacities, which will provide the best product available at the lowest possible price. Other than designated brands and/or models approved as equal to designated products shall receive an equal consideration.
15. Samples of items when required, must be furnished free, and, if not called for within 30 days from date of bid opening, will become property of the City.
16. Bids will not be considered if they are:
 1. Submitted after the bid's opening time.
 2. Submitted electronically or faxed (unless authorized by Purchasing Agent).

17. Guarantees and warranties should be submitted with the bid, as they may be a consideration in making an award.
18. **CONSTRUCTION**
- A. Contractor is to supply the City with evidence of having and maintaining proper and complete insurance, specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability and Property Damage. All premiums and cost shall be paid by the Contractor. In no way will the City be responsible in case of accident.
 - B. When noted, a Certified check or bid bond in the amount of 5% of total bid shall accompany bid.
 - C. A Performance Bond equaling the total amount of any bid exceeding \$20,000.00 must be provided for any contract for the repair, alteration or erection of any public building, public structure or public improvement (pursuant to Arkansas Code Annotated Section 22-9-203).
19. **LIQUIDATED DAMAGES** - Liquidated damages shall be assessed beginning on the first day following the maximum delivery or completion time entered on this bid form and/or provided for by the plans and specifications.
20. **AMBIGUITY IN BID** - Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance by the bidder with specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the City.
21. The bid number should be stated on the face of the sealed bid envelope. If it is not, the envelope will have to be opened to identify.
22. Whenever a bid is sought seeking a source of supply for a specified period of time for materials and services, the quantities of usage shown are estimated ONLY. No guarantee or warranty is given or implied by the participants as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for the bidders information ONLY and will be used for tabulation and presentation of bid and the participant reserves the right to increase or decrease quantities as required.
23. The City of North Little Rock reserves the right to reject any and all bids, to accept in whole or in part, to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by the bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the City of North Little Rock may accept the bid for the lesser amount whether reflected by the extension or by the correct multiple of the unit price.
24. Additional information or bid forms may be obtained from:
COMMERCE DEPARTMENT, 120 Main Street, P.O. Box 5757, North Little Rock, Arkansas 72119 (501)975-8881
www.nlr.ar.gov

Bidding documents must be submitted on or before the bid's opening date and time. Unless noted, bids must be sealed and mailed or delivered to:

**Mary Beth Bowman
Director of Commerce
120 Main Street (P.O. Box 5757)
North Little Rock, AR 72119**

BID FORM

NOTE TO BIDDER: Please use BLACK ink for completing this Bid form.

To. _____
Address: _____

Project Title: **RANDOLPH ROAD REHABILITATION**
Engineer's
Project No.: **CNLR ENGINEERING PROJECT NO. 21-01**

Date: _____ Arkansas Contractor's
License No.: _____

Bidder: _____
Address: _____

Bidder's person to contact for additional information on this Bid:
Name: _____
Telephone: _____

ADDENDA

The Bidder hereby acknowledges that he/she has received Addenda Numbers:
_____ to these Specifications.
(Bidder insert number of each addendum received.)

CONSTRUCTION DAYS

The Work will be completed and ready for final payment in accordance with the General Conditions within **45 Calendar Days** after the date when the Contract Time commences to run as provided in Notice to Proceed.

LIQUIDATED DAMAGES

Liquidated Damages: Owner and Contractor recognize that time is of the essence of this Agreement and the Owner will suffer financial loss if the Work is not completed within the time specified in above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense, and difficulties involved in proving the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner **Two Hundred and Fifty Dollars (\$250.00)** for each day that expires after the time specified in Paragraph 3 for completion and readiness for final payment.

INSURANCE AND BONDING REQUIREMENTS

The Bidder hereby acknowledges that he/she has read and understands the performance bond, payment bond, and insurance requirements for this project as specified in the General Conditions. If awarded a construction contract, the Bidder agrees to furnish the required bonds and insurance certificates within fifteen (15) days of the date the award is made.

Signature _____ Title _____

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

The Bidder further agrees that he has exercised his own judgment and has utilized all data which he believes pertinent from the Engineer, Owner, and other sources in arriving at his own conclusions.

The Bidder states that he has experience in and is qualified to perform the work herein specified and, if he does not have craftsmen experienced and qualified in any phase of the work for which this Bid is offered, that he will subcontract the work under said phase to a contractor who does have the necessary experience and qualifications.

CONTRACT EXECUTION AND BONDS

The Bidder agrees that if this Bid is accepted, he will, within 15 days after notice of award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner the Performance Bond and Payment Bond required herein, and will, to the extent of his Bid, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE, PAYMENT BOND, AND PERFORMANCE BOND

The Bidder further agrees to furnish the Owner, before executing the Contract, the certificates of insurance, Payment Bond, and Performance Bond as specified in these Documents.

START OF CONSTRUCTION, CONTRACT COMPLETION TIME, AND LIQUIDATED DAMAGES

Start of Construction, Contract Completion Time, and Liquidated Damages are stated in Document 00500 - Contract.

SALES AND USE TAXES

The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated bid prices for the work.

UNIT PRICE BASE BID

Any Bid may be rejected which contains material omissions, or irregularities, or in which any of the unit prices are obviously unbalanced in the opinion of the Owner. Also, a bid may be rejected if, in any manner it shall fail to conform to the conditions of the published Bidding Requirements and Contract Documents.

The bidder agrees to accept as full payment for the work proposed herein the amount computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The bidder agrees that the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in the Contract Documents.

Item No.	Item Description	Units	Quantity	Unit Cost	Total Cost
1	Site Preparation	LS	1	\$	\$
2	Subgrade Repair	SY	911	\$	\$
3	1" Cold Milling (Gutter Edge)	SY	2,225	\$	\$
4	2" Cold Milling (Intersection/Edge Joint)	SY	741	\$	\$
5	1.5" Cold Milling (Full Width)	SY	355	\$	\$
6	Remove and Replace 8" Reinforced Concrete Swale	SY	22	\$	\$
7	2" ACHM Surface Course (3/8", PG 70-22)	TON	829	\$	\$
8	2.5" ACHM Surface Course (3/8", PG 70-22)	TON	49	\$	\$
9	3" ACHM for Subgrade Repair (3/8", PG 70-22)	TON	151	\$	\$
10	Undercut and Backfill with Class 7	CY	100	\$	\$

TOTAL BASE BID AMOUNT \$ _____

Words

BASIS OF AWARD

The Bidder understands that the Contract will be awarded to the most qualified bidder with the lowest Total Base Bid that the Owner may choose that makes the Project cost acceptable to the Owner. The Owner reserves the right to waive irregularities, reject bids, choose the most qualified bidder for the Project, and to postpone award of the Contract for a period of time which shall not exceed beyond 90 days from the bid opening date.

PAYMENT SCHEDULE

A detailed payment schedule for each structure or unit shall be submitted by the successful low Bidder. The successful low Bidder shall meet with the Engineer and Owner in North Little Rock, Arkansas, to review the format and details of the payment schedule. This meeting shall be held within 5 days of notification that the Contractor is the low Bidder. The purpose of the meeting shall be to establish an acceptable format for the payment schedule. The construction detailed payment schedule shall be completed by the Contractor 14 days after the meeting and submitted to the Engineer and Owner for review and approval. Failure of the Contractor to submit the payment schedule as required may result in the Owner's rejection of the Bid or delay in processing the Contractor's request for a progress payment.

SUBCONTRACTORS

The Bidder further certifies that proposals from the following subcontractors were used in the preparation of this Bid; and if awarded a contract, Bidder agrees to not enter into Contracts with others for these divisions of the Work without written approval from the Owner and Engineer.

Subcontractor	Subcontractor
Arkansas Contractor License #	Arkansas Contractor License #
Street Address, City, State, Zip Code	Street Address, City, State, Zip Code
Subcontractor	Subcontractor
Arkansas Contractor License #	Arkansas Contractor License #
Street Address, City, State, Zip Code	Street Address, City, State, Zip Code

SUPPLIERS/VENDORS

The Bidder shall list the suppliers/vendors where material for this Project will be purchased from and successful Bidder shall updated suppliers/vendors during construction of the Project.

Supplier/Vendor Name	Supplier/Vendor Name
Street Address, City, State, Zip Code	Street Address, City, State, Zip Code
Phone Number	Phone Number
Supplier/Vendor Name	Supplier/Vendor Name
Street Address, City, State, Zip Code	Street Address, City, State, Zip Code
Phone Number	Phone Number

PERFORMANCE OF WORK BY CONTRACTOR

The Bidder shall perform at least 40 percent of the work with his own forces. Bids from so called "Brokerage Contractors" will not be considered. List below the items that the Bidder will perform with his own forces, if awarded this Contract, and fill in the blank showing the estimated total cost of these items.

Estimated total cost of the above items the Bidder states that will be performed with his own forces, if awarded Contract:

_____ Dollars (\$ _____)
(Words)

EXPERIENCE OF BIDDER

The Bidder states that he is an experienced Contractor and has completed similar projects within the last 5 years. (List similar projects, with types, names of clients, construction costs, and references with telephone numbers. Use additional sheets if necessary.)

SURETY

If the Bidder is awarded a construction Contract on this Bid, the Surety who provides the Performance and Payment Bond will be:

_____ whose address is:

Street, City, State Zip Code

BIDDER

The name of the Bidder submitting this Bid is:

_____ doing business at:

Street, City, State, Zip Code

which is the address to which all communications concerned with this Bid and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Bid, or of the partnership, or of all persons interested in this Bid as principals are as follows:

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this ____ day of _____, 20__.

Signature of Bidder

Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this ____ day of _____, 20__.

Name of Corporation

By _____

Title _____

Attest _____

Secretary

(SEAL)

BID BOND

STATE OF ARKANSAS

KNOW ALL MEN BY THESE PRESENTS, that we:

Principal and Contractor, and _____

hereinafter called Surety, are held and firmly bound unto the **City of** _____, **Arkansas** and represented by its Mayor and City Council, hereinafter called Owner, in the sum of

_____ DOLLARS (\$ _____)

lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the Principal contemplates submitting or has submitted a bid to the Owner for the furnishing of all labor, materials (except those to be specifically furnished by the Owner), equipment, machinery, tools, apparatus, means of transportation for, and the performance of the work covered in the Bid and the detailed Drawings and Specifications, entitled:

**RANDOLPH ROAD REHABILITATION
City Engineering Project No. 21-01
North Little Rock, Arkansas**

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check, certified check, or bid bond in the amount of 5 percent of the base bid be submitted with said bid as a guarantee that the Bidder would, if awarded the Contract, enter into a written Contract with the Owner for the performance of said Contract within 15 consecutive calendar days after written notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the Principal within 15 consecutive calendar days after written notice of such acceptance enters into a written Contract with the Owner and furnishes a Contract Surety Bond in an amount equal to 100 percent of the base bid, satisfactory to the Owner, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the Owner and the Surety herein agrees to pay said sum immediately upon demand of the Owner in good and lawful money of the United States of America, as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the said _____, as Principal herein,
has caused these presents to be signed in its name by its _____
and attested by its _____ under its corporate seal, and the
said _____ as Surety herein, has caused
these presents to be signed in its name by its _____
_____ under its corporate seal, this _____ day of _____ A.D., 20__.

Signed, sealed and delivered
in the presence of:

Principal-Contractor

By _____

As to Principal

Title

Surety

Attorney-in-Fact
(Power-of-Attorney to be Attached)

As to Surety

By _____
Agent

NOTICE OF AWARD

TO:

PROJECT: RANDOLPH ROAD REHABILITATION
City Project No. 21-01

The OWNER has considered the BID submitted by you on _____ for the above described WORK in response to its Advertisement for Bids and Instructions to Bidders.

You are hereby notified that your BID has been accepted in the amount of:

_____ Dollars (\$ _____)

You are required by the Instructions to Bidders to execute the Contract and furnish the required CONTRACTOR'S Performance BOND, Payment BOND, and certificates of insurance within fifteen (15) calendar days from the date of this Notice to you.

If you fail to execute said Contract and to furnish said BONDS within fifteen (15) days from the date of this Notice, said OWNER will be entitled to consider your bid in default, to annul this Notice of Award and to declare your Bid Security forfeited. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this ____ day of _____, 20__.

Owner

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

by _____,

this the _____ day of _____, 20__

By _____

Title _____

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (*Name and Address*): SURETY (*Name, and Address of Principal Place of Business*):

OWNER (*Name and Address*):

CONTRACT

Effective Date of Agreement:
Amount:
Description (*Name and Location*):

BOND

Bond Number:
Date (*Not earlier than Effective Date of Agreement*):
Amount:
Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

SURETY

Contractor's Name and Corporate Seal (Seal)

Surety's Name and Corporate Seal (Seal)

By: _____
Signature

By: _____
Signature (Attach Power of Attorney)

Print Name

Print Name

Title

Title

Attest: _____
Signature

Attest: _____
Signature

Title

Title

Note: Provide execution by additional parties, such as joint ventures, if necessary.

Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner for the performance of the Contract, which is incorporated herein by reference.

1. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph 2.1.
2. If there is no Owner Default, Surety's obligation under this Bond shall arise after:
 - 2.1 Owner has notified Contractor and Surety, at the addresses described in Paragraph 9 below, that Owner is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If Owner, Contractor, and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive Owner's right, if any, subsequently to declare a Contractor Default; and
 - 2.2 Owner has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph 2.1; and
 - 2.3 Owner has agreed to pay the Balance of the Contract Price to:
 1. Surety in accordance with the terms of the Contract; or
 2. Another contractor selected pursuant to Paragraph 3.3 to perform the Contract.
3. When Owner has satisfied the conditions of Paragraph 2, Surety shall promptly, and at Surety's expense, take one of the following actions:
 - 3.1 Arrange for Contractor, with consent of Owner, to perform and complete the Contract; or
 - 3.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or
 - 3.3 Obtain bids or negotiated proposals from qualified contractors acceptable to Owner for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by Owner and contractor selected with Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to Owner the amount of damages as described in Paragraph 5 in excess of the Balance of the Contract Price incurred by Owner resulting from Contractor Default; or
 - 3.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:
 1. After investigation, determine the amount for which it may be liable to Owner and, as soon as practicable after the amount is determined, tender payment therefor to Owner; or
 2. Deny liability in whole or in part and notify Owner citing reasons therefor.
4. If Surety does not proceed as provided in Paragraph 3 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from Owner to Surety demanding that Surety perform its obligations under this Bond, and Owner shall be entitled to enforce any remedy available to Owner. If Surety proceeds as provided in Paragraph 3.4, and Owner refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice Owner shall be entitled to enforce any remedy available to Owner.
5. After Owner has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 3.1, 3.2, or 3.3 above, then the responsibilities of Surety to Owner shall not be greater than those of Contractor under the Contract, and the responsibilities of Owner to Surety shall not be greater than those of Owner under the Contract. To the limit of the amount of this Bond, but subject to commitment by Owner of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

- 5.1 The responsibilities of Contractor for correction of defective Work and completion of the Contract;
- 5.2 Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions of or failure to act of Surety under Paragraph 3; and
- 5.3 Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.

6. Surety shall not be liable to Owner or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than Owner or its heirs, executors, administrators, or successors.

7. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.

8. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located, and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

9. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the address shown on the signature page.

10. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

11. Definitions.

- 11.1 Balance of the Contract Price: The total amount payable by Owner to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by Owner in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.
- 11.2 Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
- 11.3 Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.
- 11.4 Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or otherwise comply with the other terms thereof.

FOR INFORMATION ONLY – *(Name, Address and Telephone)*

Surety Agency or Broker:

Owner's Representative *(Engineer or other party)*:

PAYMENT BOND

CONTRACTOR *(name and address)*:

SURETY *(name and address of principal place of business)*:

OWNER *(name and address)*:

CONSTRUCTION CONTRACT

Effective Date of the Agreement:

Amount:

Description *(name and location)*:

BOND

Bond Number:

Date *(not earlier than the Effective Date of the Agreement of the Construction Contract)*:

Amount:

Modifications to this Bond Form: None See Paragraph 18

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

SURETY

Contractor's Name and Corporate Seal *(seal)*

Surety's Name and Corporate Seal *(seal)*

By: _____
Signature

By: _____
Signature *(attach power of attorney)*

Print Name

Print Name

Title

Title

Attest: _____
Signature

Attest: _____
Signature

Title

Title

Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner to pay for labor, materials, and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.
2. If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies, and holds harmless the Owner from claims, demands, liens, or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Paragraph 13) of claims, demands, liens, or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, and tendered defense of such claims, demands, liens, or suits to the Contractor and the Surety.
4. When the Owner has satisfied the conditions in Paragraph 3, the Surety shall promptly and at the Surety's expense defend, indemnify, and hold harmless the Owner against a duly tendered claim, demand, lien, or suit.
5. The Surety's obligations to a Claimant under this Bond shall arise after the following:
 - 5.1 Claimants who do not have a direct contract with the Contractor,
 - 5.1.1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
 - 5.1.2 have sent a Claim to the Surety (at the address described in Paragraph 13).
 - 5.2 Claimants who are employed by or have a direct contract with the Contractor have sent a Claim to the Surety (at the address described in Paragraph 13).
6. If a notice of non-payment required by Paragraph 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Paragraph 5.1.1.
7. When a Claimant has satisfied the conditions of Paragraph 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:
 - 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
 - 7.2 Pay or arrange for payment of any undisputed amounts.
 - 7.3 The Surety's failure to discharge its obligations under Paragraph 7.1 or 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Paragraph 7.1 or 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.
8. The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Paragraph 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.
9. Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.
10. The Surety shall not be liable to the Owner, Claimants, or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to or give notice on behalf of Claimants, or otherwise have any obligations to Claimants under this Bond.
11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or

(2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

13. Notice and Claims to the Surety, the Owner, or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

16. Definitions

16.1 **Claim:** A written statement by the Claimant including at a minimum:

1. The name of the Claimant;
2. The name of the person for whom the labor was done, or materials or equipment furnished;
3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
4. A brief description of the labor, materials, or equipment furnished;
5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
7. The total amount of previous payments received by the Claimant; and
8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.

16.2 **Claimant:** An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond

shall be to include without limitation in the terms of "labor, materials, or equipment" that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.

16.3 **Construction Contract:** The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

16.4 **Owner Default:** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

16.5 **Contract Documents:** All the documents that comprise the agreement between the Owner and Contractor.

17. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

18. Modifications to this Bond are as follows:



CONTRACT

FOR

RANDOLPH ROAD REHABILITATION

THIS CONTRACT, by and between the City of North Little Rock (“City”), acting herein through its Mayor, Terry C. Hartwick, and _____ (“Contractor”), is effective on the date signed by the City (the “Effective Date”).

In consideration of the mutual covenants herein, the parties agree as follows:

ARTICLE 1. SCOPE OF WORK

1.1 Work

A. The Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work generally is described as follows:

Base failure repairs and asphalt overlay on Randolph Road.

B. All Contract Documents, including plans and specifications, are included in the Project Manual, which is incorporated herein by reference as Exhibit “A” or as though fully set forth herein.

C. The Work includes but is not limited to, all labor, materials, equipment, supplies, and incidental items necessary to complete the Project in conformance with the plans and specifications as more fully set forth in the Contract Documents (the “Project”). The Work may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

ARTICLE 2. CONTRACT DOCUMENTS

2.1 Intent of Contract Documents

A. It is the intent of the Contract Documents to describe a functionally complete project. The Contract Documents do not indicate or describe all of the Work required to complete the Project. Additional details required for the correct installation of selected products are to

be provided by the Contractor and coordinated with the City and Engineer. This Contract supersedes prior negotiations, representations, and agreements, whether written or oral. The Contract Documents are complementary; what is required by one part of the Contract Documents is as binding as if required by other parts of the Contract Documents.

B. During the performance of the Work and until final payment, Contractor and City shall submit all matters in question concerning the requirements of the Contract Documents, or relating to the acceptability of the Work under the Contract Documents to the Engineer. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work thereunder.

C. Engineer will render a written clarification, interpretation, or decision on the issue submitted, or initiate a modification to the Contract Documents.

D. Contractor, and its subcontractors and suppliers, shall not have or acquire any title to or ownership rights to any of the Drawings, Specifications, or other documents (including copies or electronic media editions) prepared by Engineer or its consultants.

2.2 Contract Documents Defined

A. The Contract Documents shall consist of the following documents:

- .1 The fully executed Contract; which incorporates by reference documents (.2) thru (.10).
- .2 The Invitation to Bid, *sans* the bidding requirements dated: _____
- .3 The Contractor's Bid dated: _____, including any attachments
- .4 Project Manual, which contains General Requirements, and applicable Drawings and Specifications (Exhibit A);
- .5 Performance, Maintenance and Payment Bond;
- .6 Certificate of Insurance Coverage

The following, which may be delivered or issued on or after the Effective Date of the Contract and are, not attached hereto:

- .7 Written Amendments;
- .8 Work Change Directives;
- .9 Change Order(s); and
- .10 Notice to Proceed.

To the extent of any direct conflict between any of the Contract Documents, the Contractor shall immediately seek clarification from the Engineer. In the event that the Engineer fails promptly to

clarify such discrepancy, the Contractor shall proceed with the Work and give precedence to the Contract Documents in the following order of priority:

RANDOLPH ROAD REHABILITATION
NLR BID NUMBER: 21-3706
BID DATE: June 8, 2021

- .1 Modifications issued after execution of this Agreement;
- .2 This Agreement, as modified;
- .3 Addenda issued prior to the execution of the Agreement, with the Addenda bearing the latest date taking precedence;
- .4 Any Supplementary Conditions, if applicable;
- .5 The General Conditions of the Contract for Construction, as modified;
- .6 The Drawings and Specifications; and
- .7 Other documents specifically enumerated in the Agreement as part of the Contract Documents.

2.3 The Contract Documents may only be amended, modified, or supplemented by a Change Order, a Work Change Directive or a Field Order. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation.

ARTICLE 3 ENGINEER

3.1 The Project will be coordinated by:

City of North Little Rock Engineering Department

Michael Klamm, P.E. (City Engineer)

Who is hereinafter called ENGINEER, and who is to act as City's representative, assumes all duties and responsibilities, and has the rights and authority assigned to ENGINEER in the Contract Documents.

ARTICLE 4 CONTRACT TIMES, DATES FOR SUBSTANTIAL COMPLETION, AND LIQUIDATED DAMAGES

4.1 Contract Times

Contractor hereby agrees to commence the work on the Project on or before a date to be specified in a written Notice to Proceed (NTP) from the City, incorporated by reference as set forth herein, and to complete fully the Project within 45 CALENDAR days or as determined in writing by City Engineer.

4.1 Liquidated Damages

A. Contractor and City recognize that time is of the essence in the performance of the Contract, and that City will incur damages if Contractor does not complete the Work according to the requirements of Paragraph 4.01. Because such damages for delay would be difficult and costly to determine, City and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay City **\$250.00** for each day that expires after the Contract Time for substantial completion.

4.2 Delays in Contractor's Progress

A. If City, Engineer, or anyone for whom City is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times and Contract Price. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor or their subcontractors or suppliers.

C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of City, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times.

D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor or Contractor's subcontractors or suppliers.

4.3 Progress Schedules

A. Contractor shall develop a progress schedule and submit to the Engineer for review and comment before starting Work on the Site. The Contractor shall modify the schedule in accordance with the comments provided by the Engineer.

B. The Contractor shall update and submit the progress schedule to the Engineer each month. The City may withhold payment if the Contractor fails to submit the schedule.

ARTICLE 5 CONTRACT PRICE

5.1 Payment

A. Contractor hereby agrees to commence and complete the Work for the sum of _____ Dollars (\$ _____) for all services associated with the Work as shown on the Plans under the terms stated in the Contract Documents (Project Manual). All invoices submitted to City by Contractor shall list in detail the services provided.

B. Further, in accordance with the Contract Documents, Contractor agrees, at its own proper cost and expense, to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary to complete the Project in accordance with the Bid Documents and General Requirements and prices stated in these specifications, which include any maps, plats, blue prints, and other drawings and printed or written explanatory matter thereof, all of which are made a part hereof and collectively constitute the Contract.

5.2 Payment Procedure

The basis for progress payments will be incorporated into a form of Application for Payment acceptable to Engineer. ENGINEER will process Applications for Payment. Progress payments for Unit Price Work will be paid for monthly for each unit of Work completed during that pay period.

Payment will be made in an amount equal to the total of all extended prices for actual Work completed. The extended price is determined by multiplying the unit price times the actual quantity of that Work item completed. The Engineer will determine actual quantities installed.

The City agrees to pay the Contractor in current funds for the Work performed under the Contract, subject to additions and deductions, within thirty (30) days of receipt of an Application for Payment approved by Engineer.

ARTICLE 6 INSURANCE AND BOND

6.1 Insurance

A. Before starting Work, Contractor shall, at Contractor's sole cost and expense, procure and maintain for the duration of this Contract proper and complete liability insurance in amounts not less than the following:

General Liability	\$1,000,000
Workers' Compensation	Statutory
Employer's Liability	
Bodily Injury, each Accident	\$1,000,000
Bodily Injury by Disease, each Employee	\$1,000,000
Bodily Injury/Disease Aggregate	\$1,000,000
.Commercial General Liability	
General Aggregate	\$ 2,000,000
Products - Completed Operations Aggregate	\$ 1,000,000
Personal and Advertising Injury	\$ 1,000,000
Each Occurrence (Bodily Injury and Property Damage)	\$ 1,000,000

Automobile Liability herein:

Bodily Injury:

Each Person	\$ 1,000,000
Each Accident	\$ 1,000,000

Property Damage:

Each Accident	\$ 1,000,000
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Excess or Umbrella Liability:

Per Occurrence	\$ 1,000,000
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General Aggregate	\$ 2,000,000
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Contractor's Pollution Liability:

Each Occurrence	\$ 1,000,000
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General Aggregate	\$ 2,000,000
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B. All insurance policies required to be purchased and maintained will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 10 days prior written notice has been given to the insured and additional insured.

C. Automobile liability insurance provided by Contractor shall provide coverage against claims for damages because of bodily injury or death of any person or property damage arising out of the , maintenance, or use of any motor vehicle. The automobile liability policy shall be written on an occurrence basis.

D. Contractor's commercial general liability policy shall be written on the most recent ISO commercial general liability occurrence form and include the following coverages and endorsements:

- .1 Products and completed operations coverage maintained for three years after final payment;
- .2 Blanket contractual liability coverage to the extent permitted by law;
- .3 Broad form property damage coverage; and

.4 Severability of interest; underground, explosion, and collapse coverage; personal injury coverage.

E. The Contractor's commercial general liability and automobile liability, umbrella or excess, and pollution liability policies shall include and list City, Engineer, and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each as additional insureds; and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby (including as applicable those arising from both ongoing and completed operations) on a non-contributory basis.

.1 Additional insured endorsements will include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to City that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.

.2 Contractor shall provide ISO Endorsement CG 20 32 07 04, "Additional Insured – Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent for design professional additional insureds.

F. Umbrella or excess liability insurance shall be written over the underlying employer's liability, commercial general liability, and automobile liability insurance. Subject to industry standard exclusions, the coverage afforded shall be procured on a "follow the form" basis as to each of the underlying policies. Contractor may demonstrate to City that Contractor has met the combined limits of insurance (underlying policy plus applicable umbrella) specified for employer's liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policies and an umbrella or excess liability policy.

G. The Contractor shall provide property insurance covering physical loss or damage during construction to structures, materials, fixtures, and equipment, including those materials, fixtures, or equipment in storage or transit.

H. If Contractor has failed to obtain and maintain required insurance, City may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise City's termination rights under Article 9.

6.2 Contractor shall provide a Performance and Payment Bond equaling the total amount of the bid, (pursuant to Ark. Code Ann. §§ 18-44-503 and 22-9-401. Additionally, if applicable, the Contractor shall provide a Maintenance Bond, equaling 50% of the Street Improvements within the Right-of-Way (ROW) for a period of two (2) years.

ARTICLE 7 CONTRACTOR'S RESPONSIBILITIES

7.1 Supervision and Superintendence

A. Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, safety, and procedures of construction.

B. Contractor shall assign a competent resident superintendent who is to be present at all times during the execution of the Work. This resident superintendent shall not be replaced without written notice to and approval by the City and Engineer except under extraordinary circumstances

C. Contractor at all times shall maintain good discipline and order at the Site.

7.2 Other Work at the Site

A. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of City, any other contractor, or any utility City performing other work at or adjacent to the Site.

7.3 Services, Materials, and Equipment

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.

B. All materials and equipment incorporated into the Work shall be new, of good quality and shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable supplier, except as otherwise may be provided in the Contract Documents.

7.4 Subcontractors and Suppliers

A. Contractor may retain subcontractors and suppliers for the performance of parts of the Work. Such subcontractors and suppliers must be acceptable to City.

7.5 Quality Management

A. Contractor is fully responsible for the managing quality to ensure Work is completed in accordance with the Contract Documents.

7.6 Licenses, Fees and Permits

A. Contractor shall pay all license fees and royalties and assume all costs incident to performing the Work or the incorporation in the Work of any invention, design, process, product, or device, which is the subject of patent rights or copyrights held by others.

B. Contractor shall obtain and pay for all construction permits and licenses unless otherwise provided in the Contract Documents.

7.7 Laws and Regulations; Taxes

A. Contractor shall give all notices required by and shall comply with all local, state, and federal Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither City nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless City and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages if Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations.

C. Contractor shall pay all applicable sales, consumer, use, and other similar taxes Contractor is required to pay in accordance with Laws and Regulations.

7.8 Record Documents

A. Contractor shall maintain one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved shop drawings in a safe place at the Site. Contractor shall annotate them to show changes made during construction. Contractor shall deliver these record documents to Engineer upon completion of the Work.

7.9 Safety and Protection

A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work.

B. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

- .1 All persons on the Site or who may be affected by the Work;
- .2 All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
- .3 Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.

C. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Contract Documents or to the acts or omissions of City or Engineer and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor).

D. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

E. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor shall act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby, or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

7.10 Shop Drawings, Samples, and Other Submittals

A. Contractor shall review and coordinate the shop drawing and samples with the requirements of the Work and the Contract Documents and shall verify all related field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information.

B. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that submittal, and that Contractor approves the submittal.

C. With each submittal, Contractor shall give Engineer specific written notice, in a communication separate from the submittal, of any variations that the shop drawing or sample may have from the requirements of the Contract Documents.

D. Engineer will provide timely review of shop drawings and samples.

E. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs.

F. Engineer's review and approval of a separate item does not indicate approval of the assembly in which the item functions.

G. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of shop drawings and submit, as required, new samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

H. Shop drawings are not Contract Documents.

7.11 Representations, Warranties and Guarantees

A. The Contractor warrants that:

.1 Contractor warrants and guarantees to City that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on Contractor's warranty and guarantee.

.2 Contractor has full power and authority to enter into this Contract and to carry out the Project contemplated by this Contract.

.3 The Contractor warrants that Contractor will comply with all laws applicable to the performance of the Project under this Contract.

.4 The Contractor warrants that Contractor's execution, delivery, and performance of this Contract will not constitute: (i) a violation of any judgment, order, or decree binding on Contractor; (ii) a breach under any contract by which Contractor is bound; or (iii) an event that would, with notice or lapse of time, or both, constitute such a breach.

.5. The Contractor warrants that the Project will be performed with the degree of skill and care that is required by current, good, sound professional procedures and practices, and in conformance with generally accepted professional procedures and industry standards prevailing at the time the Project is performed, and that all work on the Project meet the specifications set forth herein. Contractor further represents and warrants that Contractor and all personnel used to perform the Project, including permitted subcontractors, possess the knowledge, skill, and experience necessary to perform the Project.

.6 The Contractor warrants that Contractor has, and shall maintain in effect for the duration of this Contract, all licenses, permits qualifications, and approvals of whatsoever nature which are legally required for Contractor to complete the Project. Contractor shall also ensure that all permitted subcontractors are similarly licensed and qualified.

7.12 Correction Period

A. If within one year after the date of substantial completion, any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas used by Contractor as permitted by Laws and Regulations, is found to be defective, then Contractor shall promptly and without cost to City, correct such defective Work.

7.13 Indemnification

A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless City and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any subcontractor, any technical , or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts they may be liable.

ARTICLE 8 CITY'S RESPONSIBILITIES

8.1 City's Responsibilities

A. Except as otherwise provided in the Contract Documents, City shall issue all communications to Contractor through Engineer.

- B. City shall make payments to Contractor as provided in this Contract.
- C. City shall provide Site and easements required to construct the Project.
- D. If City intends to contract with others for the performance of other work at or adjacent to the Site, unless stated elsewhere in the Contract Documents, City shall have sole authority and responsibility for such coordination.
- E. The City shall be responsible for performing inspections and tests required by applicable codes.
- F. The City shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. City will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

G. While at the Site, City's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which City has been informed.

H. City shall furnish copies of any applicable City safety programs to Contractor.

ARTICLE 9 ENGINEER'S STATUS DURING CONSTRUCTION

9.1 Engineer's Status

A. Engineer will be City's representative during construction. The duties and responsibilities and the limitations of authority of Engineer as City's representative during construction are set forth in this Contract.

B. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any subcontractor, any supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

C. Engineer will make visits to the Site at intervals appropriate to the various stages of construction. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work.

D. Engineer has the authority to reject Work if Contractor fails to perform Work in accordance with the Contract Documents.

E. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work.

F. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

ARTICLE 10 CHANGES IN THE WORK

10.1 Authority to Change the Work

A. Without invalidating the Contract and without notice to any surety, City may, at any time or from time to time, order additions, deletions, or revisions in the Work, in writing.

10.2 Change Orders

A. City and Contractor shall execute appropriate Change Orders covering:

- .1 Changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; provided, however, that any increase in Contract Price has been duly appropriated by the City Council and authorized;
2. Changes in the Work which are: (a) ordered by City or (b) agreed to by the parties or (c) resulting from the Engineer's decision, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters; and
3. Changes in the Contract Price or Contract Times or other changes which embody the substance of any final binding results under Article 12.

B. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

ARTICLE 11 DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS

11.1 Differing Conditions Process

A. If Contractor believes that any subsurface or physical condition including but not limited to utilities or other underground facilities that are uncovered or revealed at the Site either differs materially from that shown or indicated in the Contract Documents or is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract Documents then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency), notify City and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

B. After receipt of written notice, Engineer will promptly:

1. Review the subsurface or physical condition in question;
2. Determine necessity for City obtaining additional exploration or tests with respect to the condition;
3. Determine whether the condition falls within the differing site condition as stated herein;
4. Obtain any pertinent cost or schedule information from Contractor;
5. Prepare recommendations to City regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and
6. Advise City in writing of Engineer's findings, conclusions, and recommendations.

C. After receipt of Engineer's written findings, conclusions, and recommendations, City shall issue a written statement to Contractor regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.

ARTICLE 12 CLAIMS AND DISPUTE RESOLUTION

12.1 Claims Process

A. The party submitting a claim shall deliver it directly to the other party to the Contract and the Engineer promptly (but in no event later than 10 days) after the start of the event giving rise thereto.

B. The party receiving a claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the claim through the exchange of information and direct negotiations. All actions taken on a claim shall be stated in writing and submitted to the other party.

C. If efforts to resolve a claim are not successful, the party receiving the claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the claim within 45 days, the claim is deemed denied.

D. If the dispute is not resolved to the satisfaction of the parties, City or Contractor shall give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction unless the City and Contractor both agree to submit the dispute to mediation, prior to any litigation. In that case, an alternative dispute resolution firm located in Pulaski County, Arkansas, agreed upon by the parties, shall conduct mediation. The parties shall share the costs of mediation equally.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION OF DEFECTIVE WORK

13.1 Tests and Inspections

A. City and Engineer will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access.

B. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.

C. If any Work that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering shall be at Contractor's expense.

13.2 Defective Work

A. Contractor shall ensure that the Work is not defective.

B. Engineer has the authority to determine whether Work is defective, and to reject defective Work.

C. Prompt notice of all defective Work of which City or Engineer has actual knowledge will be given to Contractor.

D. The Contractor shall promptly correct all such defective Work.

E. When correcting defective Work, Contractor shall take no action that would void or otherwise impair City's special warranty and guarantee, if any, on said Work.

F. If the Work is defective or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then City may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

ARTICLE 14 - PAYMENTS TO CONTRACTOR

14.1 Progress Payments

A. The Contractor shall prepare a schedule of values that will serve as the basis for progress payments. The schedule of values will be in a form of application for payment acceptable to Engineer. The unit price breakdown submitted with the bid will be used for unit price work, as described in Section 5.02. Break lump sum items into units that will allow for measurement of Work in progress.

14.2 Applications for Payments:

A. Contractor shall submit an application for payment in a form acceptable to the Engineer, no more frequently than monthly, to Engineer. Applications for payment will be prepared and signed by Contractor. Contractor shall provide supporting documentation required by the Contract Documents. Payment will be paid for Work completed as of the date of the application for payment.

B. Beginning with the second application for payment, each application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior applications for payment.

14.3 Retainage

A. The City shall retain 5% of each progress payment until the Work is substantially complete.

14.4 Review of Applications

A. Within 10 days after receipt of each Application for Payment, the Engineer will either indicate in writing a recommendation for payment and present the Application for Payment to City or return the Application for Payment to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. The Contractor will make the necessary corrections and resubmit the application for payment.

B. Engineer will recommend reductions in payment (set-offs) which, in the opinion of the

Engineer, are necessary to protect City from loss because the Work is defective and requires correction or replacement.

C. The City is entitled to impose set-offs against payment based on any claims that have been made against City on account of Contractor's conduct in the performance of the Work, incurred costs, losses, or damages on account of Contractor's conduct in the performance of the Work, or liquidated damages that have accrued as a result of Contractor's failure to complete the Work.

14.5 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to City free and clear of (1) all liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than seven days after the time of payment by City.

14.6 Substantial Completion

A. The Contractor shall notify City and Engineer in writing that the Work is substantially complete and request the Engineer issue a certificate of substantial completion when Contractor considers the Work ready for its intended use. Contractor at the same time shall submit to City and Engineer an initial draft of punch list items to be completed or corrected before final payment.

B. Engineer will make an inspection of the Work with the City and Contractor to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor and City in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete or upon resolution of all reasons for non-issuance of a certificate identified in 14.06.B, Engineer will deliver to City a certificate of substantial completion which shall fix the date of substantial completion and include a punch list of items to be completed or corrected before final payment.

14.7 Final Inspection

A. Upon written notice from Contractor that the entire Work is complete, Engineer will promptly make a final inspection with City and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.8 Final Payment

A. Contractor may make application for final payment after Contractor has satisfactorily

completed all Work defined in the Contract, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents and other documents.

B. The final application for payment shall be accompanied (except as previously delivered) by:

- .1 All documentation called for in the Contract Documents;
- .2 Consent of the surety to final payment;
- .3 Satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to City free and clear of any liens or other title defects, or will so pass upon final payment;
- .4 A list of all disputes that Contractor believes are unsettled; and
- .5 Complete and legally effective releases or waivers (satisfactory to City) of all lien rights arising out of the Work, and of liens filed in connection with the Work.

C. The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment.

14.9 Waiver of Claims

A. The making of final payment will not constitute a waiver by City of claims or rights against Contractor.

B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against City other than those pending matters that have been duly submitted.

ARTICLE 15 SUSPENSION OF WORK AND TERMINATION

15.1 City May Suspend Work

A. At any time and without cause, City may suspend the Work or any portion thereof for a period of not more than 60 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times, or both, upon submitting documentary evidence of loss directly attributable to any such suspension, to the satisfaction of City.

15.2 City May Terminate for Cause

A. Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause.

B. If Contractor defaults in its obligations, then after giving Contractor and any surety ten days written notice that City is considering a declaration that Contractor is in default and termination of the Contract, City may proceed to:

- .1 Declare Contractor to be in default, and give Contractor and any surety notice that the Contract is terminated; and
- .2 Enforce the rights available to City under any applicable performance bond.

C. City may not proceed with termination of the Contract under Paragraph 9.02.B if Contractor within seven days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.

D. Subject to the terms and operation of any applicable performance bond, if City has terminated the Contract for cause, City may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which City has paid Contractor but which are stored elsewhere, and complete the Work as City may deem expedient.

E. In the case of a termination for cause, if the cost to complete the Work, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to City.

15.3 City May Terminate for Convenience

A. Notwithstanding any other provision of this Contract, upon seven days written notice to Contractor, the City may, without cause and without prejudice to any other right or remedy of City, terminate the Contract. This right includes, but is not limited to, termination due to non-appropriation of funds in sufficient amounts to discharge such obligation; such failure (i) shall act to terminate this Contract at such time as the then-existing and available appropriations are depleted, and (ii) neither such failure nor termination shall constitute a default or breach of this Contract, including any sub-agreement, attachment, schedule, or exhibit thereto, by the City. As used herein, the term "appropriation" shall mean and include the due adoption of an appropriation ordinance and budget and the approval of availability of sufficient funds for the performance of fiscal obligations arising under this Contract. In such case, without duplication of any items, Contractor shall be paid for::

- .1 Completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination;

.2 Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work; and

.3 Other reasonable, documented expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.

15.4 Contractor May Stop Work or Terminate

A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by City or under an order of court or other public authority, or (2) City fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to City, and provided City does not remedy such suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the City.

ARTICLE 16 CONTRACTOR'S REPRESENTATIONS

16.1 Contractor's Representations

A. In order to induce City to enter into this Contract Contractor makes the following representations:

.1 Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.

.2 Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

.3 Contractor is familiar with and is satisfied as to all federal, state and local laws, regulations, and ordinances that may affect cost, progress, and performance of the Work. All Work shall be completed in accordance with all applicable federal, state, and local laws, regulations, and ordinances.

.4 Contractor has carefully studied all: (1) drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities), if applicable, which have been provided as described in paragraph 5.03 of the EJCDC Standard General Conditions of the Construction Contract, as modified and (2) reports and drawings of a Hazardous Environmental Condition, if any, at the Site which has been identified in the General Conditions, if applicable, as provided in paragraph 5.06 of the EJCDC Standard General Conditions of the Construction Contract, as modified.

.5 Contractor has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by Contractor, and safety precautions and programs incident thereto.

.6 Contractor does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.

.7 Contractor is aware of the general nature of work to be performed by City and others at the Site that relates to the Work as indicated in the Contract Documents.

.8 Contractor has correlated the information known to Contractor, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

.9 Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

.10 The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 17 DEFINITIONS

17.1 Addenda—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

17.2 Agreement—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.

17.3 Application for Payment—The document prepared by Contractor, in a form acceptable to Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Document

17.4 Change Order—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.

17.5 Claim – A dispute between Contractor and City arising from the Work seeking resolution of a contractual issue.

17.6 Contract—The entire and integrated written contract between Owner and Contractor concerning the Work.

17.7 Contract Documents—Those items so designated in the Agreement, and which together comprise the Contract.

17.8 Contract Price—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.

17.9 Contract Times—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.

17.10 Contractor—The individual or entity with which Owner has contracted for performance of the Work.

17.11 Drawings—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.

17.12 Effective Date of the Contract—The date, indicated in the Agreement, on which the Contract becomes effective.

17.13 Electronic Means—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions, including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.

17.14 Engineer—The individual or entity named as such in the Agreement.

17.15 Field Order—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.

17.16 Hazardous Environmental Condition—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.

a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.

b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.

c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.

17.17 Laws and Regulations; Laws or Regulations—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

17.18 Liens—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.

17.19 Notice to Proceed—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

17.20 Owner—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.

17.21 Progress Schedule—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor's plan to accomplish the Work within the Contract Times.

17.22 Project—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.

17.23 Samples—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.

17.24 Schedule of Values—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor’s Applications for Payment.

17.25 Shop Drawings—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.

17.26 Site—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.

17.27 Specifications—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.

17.28 Subcontractor—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.

17.29 Submittal—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers’ instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.

17.30 Substantial Completion—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion of such Work.

17.31 Supplier—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.

17.32 Underground Facilities—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water, other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.

17.33 Unit Price Work—Work to be paid for on the basis of unit prices.

17.34 Work—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

17.35 Work Change Directive—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

ARTICLE 18 MISCELLANEOUS

18.1 Terms

A. Terms used in this Contract will have the meanings indicated in the standard General Conditions of the Construction Contract, as modified.

18.2 Restrictions on Public Improvement Contracts

A. In accordance with the Bid Documents, all bid documents related to public improvements exceeding \$75,000 in value must include a statement that encourages participation of small, minority, and women's business enterprises.

B. Contractor, in accordance with Ark. Code Ann. §§ 18-44-503 and 22-9-401, must furnish a surety bond in an amount equal to the contract price.

C. In accordance with Ark. Code Ann. § 22-9-601, et seq., Contractor is subject to the retainage provisions which allows the City to retain five percent (5%) of payments until final project completion.

D Contractor acknowledges that a public right-of-way is an easement used for ingress and egress to property. The City holds these easements for the benefit of the public at large. As part of any public improvement contract performed in or about public rights-of-way, the City requires and Contractor agrees that such rights-of-way will be repaired, to the extent possible, to the condition prior to the performance of work.

18.3 Choice of Law

A. The parties hereto agree that this Contract shall be construed under Arkansas law, excluding its conflict of laws rules. The parties further agree that proper jurisdiction and venue for any cause of action arising from this Contract shall be vested in either the U.S. District Court for the Eastern District of Arkansas or the Circuit Court of Pulaski County, Arkansas.

18.4 Non-Waiver

A. No delay or failure to exercise any right under this Contract shall impair any such right or be construed to be a waiver thereof. No waiver shall be effective unless in writing signed by the party waiving. A waiver of a right on one occasion shall not be deemed to be waiver of such right on any other occasion. A waiver of a right on one occasion shall not be deemed to be a waiver of any other right on that occasion.

18.5 No Assignment.

A. The Project to be performed pursuant to this Contract is personal in nature, and Contractor may not, voluntarily or by operation of law, assign or transfer any of its rights or obligations under this Contract without the prior written consent of the City.

18.6 Merger

A. This Contract constitutes the full understanding of the parties, a complete allocation of risks between them and a complete and exclusive statement of the terms and conditions of their agreement, related to the services provided hereunder. All prior agreements, negotiations, dealings and understandings, whether written or oral, regarding the subject matter hereof, are superseded by and merged into this Contract.

18.7 Modification

A. No conditions, usage of trade, course of dealing or performance, understanding or agreement purporting to modify, vary the terms or conditions of the Contract shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification shall be effected by the acknowledgment or acceptance of any forms containing terms or conditions or variance with or in addition to those set forth in this Contract.

18.8 Severability

A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon City and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

18.9 Cumulative Remedies

A. The duties and obligations imposed by this Contract and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

18.10 Limitation of Damages

A. Neither City, Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.11 Survival of Obligations

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

18.12 Contractor's Certifications

A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract.

18.13 No Presumption against Drafter

A. Each of the parties hereto has jointly participated in the negotiation and drafting of this Contract. In the event an ambiguity or a question of intent or interpretation arises, this Contract shall be construed as if drafted jointly by each of the parties hereto and no presumptions or burdens of proof shall arise favoring any party by virtue of the authorship of any provisions of this Contract.

18.14 Counterpart Execution

A. This Contract may be executed in two or more counterparts, each of which is deemed as original but all constitute one and the same instrument. An original signature transmitted by facsimile or other electronic means shall be deemed to be original.

18.15 Filing. This document shall be filed in the official records of the City Clerk of the City of North Little Rock, Arkansas. Either party may additionally file this document in any other governmental office deemed appropriate; however, the parties waive all claims and defenses in law or equity based upon such additional filing.

[Signatures on the Next Page]

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

City of North Little Rock

[Contractor]

By: _____
Terry Hartwick, Mayor

By: _____
Name and Title

Date

Date

ATTEST:

Diane Whitbey, City Clerk

Contract reviewed and approved as to form by:

Amy Beckman Fields
North Little Rock City Attorney

BY: _____
Deputy City Attorney Date

NOTICE TO PROCEED

TO:

PROJECT: RANDOLPH ROAD REHABILITATION
City Project No. 21-01

You are hereby notified to commence WORK in accordance with the Contract dated _____ on or before _____, and you are to complete the WORK within **45** consecutive calendar days thereafter. The date of completion of all WORK is therefore _____, **20**__.

Owner

By _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____, this the _____ day of _____ 20__.

By _____

Title _____

Contractor's Application for Payment No.

	Application Period:	Application Date:
To (Owner):	From (Contractor):	Via (Engineer):
Project:	Contract:	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.:

Application For Payment Change Order Summary

Approved Change Orders			
Number	Additions	Deductions	
TOTALS			
NET CHANGE BY CHANGE ORDERS			

	1. ORIGINAL CONTRACT PRICE..... \$ _____
	2. Net change by Change Orders..... \$ _____
	3. Current Contract Price (Line 1 ± 2)..... \$ _____
	4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)..... \$ _____
	5. RETAINAGE:
	a. X _____ Work Completed..... \$ _____
	b. X _____ Stored Material..... \$ _____
	c. Total Retainage (Line 5a + Line 5b)..... \$ _____
	6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)..... \$ _____
	7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ _____
	8. AMOUNT DUE THIS APPLICATION..... \$ _____
	9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)..... \$ _____

Contractor's Certification	
<p>The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.</p>	
By:	Date:

Payment of:	\$ _____	
		(Line 8 or other - attach explanation of the other amount)
is recommended by:	_____	_____
	(Engineer)	(Date)
Payment of:	\$ _____	
		(Line 8 or other - attach explanation of the other amount)
is approved by:	_____	_____
	(Owner)	(Date)
Approved by:	_____	_____
	Funding Agency (if applicable)	(Date)

Progress Estimate

Contractor's Application

For (contract):						Application Number:				
Application Period:						Application Date:				
A				B	C	D	E	F		
Item		Bid Quantity	Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F) / B	Balance to Finish (B - F)
Bid Item No.	Description									
Totals										

Stored Material Summary

Contractor's Application

For (contract):						Application Number:			
Application Period:						Application Date:			
A	B	C	D		E		F		G
Invoice No.	Shop Drawing Transmittal No.	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$) (D + E - F)
			Date (Month/Year)	Amount (\$)	Amount (\$)	Subtotal	Date (Month/Year)	Amount (\$)	
Totals									

Change Order

No. _____

Date of Issuance: _____

Effective Date: _____

Project:	Owner: City of North Little Rock Arkansas	Owner's Contract No.:
Contract:		Date of Contract:
Contractor:		Engineer's Project No.: Project No.

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Attachments (list documents supporting change):

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ _____

[Increase] [Decrease] from previously approved
Change Orders No. _____ to No. _____:

\$ _____

Contract Price prior to this Change Order:

\$ _____

[Increase] [Decrease] of this Change Order:

\$ _____

Contract Price incorporating this Change Order:

\$ _____

Original Contract Times: Working days Calendar days

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

[Increase] [Decrease] from previously approved Change Orders
No. _____ to No. _____:

Substantial completion (days): _____

Ready for final payment (days): _____

Contract Times prior to this Change Order:

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

Contract Times with all approved Change Orders:

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

RECOMMENDED:

By: _____
Engineer (Authorized Signature)

Date: _____

Approved by Funding Agency (if applicable):

ACCEPTED:

By: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: _____

Date: _____

Change Order

Instructions

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating Change Orders to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed in the Agreement, any effect of a Change Order thereon should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order should be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer normally initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from Owner, or both.

Once Engineer has completed and signed the form, all copies should be sent to Owner or Contractor for approval, depending on whether the Change Order is a true order to the Contractor or the formalization of a negotiated agreement for a previously performed change. After approval by one contracting party, all copies should be sent to the other party for approval. Engineer should make distribution of executed copies after approval by both parties.

If a change only applies to price or to times, cross out the part of the tabulation that does not apply.

LIEN RELEASE

NAME OF GENERAL CONTRACTOR:

PROJECT: Randolph Road Rehabilitation

ENGINEER'S PROJECT NUMBER: City Project No. 21-01

PAY REQUEST NUMBER: _____

The undersigned Contractor certifies that: (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by Prior Applications for Payment numbered 1 through _____ inclusive; (2) title to all Work, materials, labor, and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all (i.e., all stored materials, subcontracted work, labor, materials, equipment, and other items incorporated into Work have been paid to date by the Contractor) liens, claims, security interest, and encumbrances; and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not *defective* as that term is defined in Contract Documents.

If it is found that material or work has not been paid as sworn on this document, the full amount of the unpaid payment shall be withheld from the next pay estimate, and a check will be prepared by the Owner, made out jointly to the Contractor and the payee for materials or work. The check will be mailed to the payee.

Signed this _____ day of _____, 20____.

Subscribed and Sworn to before me

Contractor

this _____ day of _____, 20____.

By _____

Notary Public

Title _____

My commission expires the _____ day of _____, 20____.

Certificate of Substantial Completion

Project:

Owner: City of North Little Rock

Owner's Contract No.:

Contract:

Engineer's Project No.:

This [tentative] [definitive] Certificate of Substantial Completion applies to:

- All Work under the Contract Documents: The following specified portions of the Work:

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A [tentative] [definitive] list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

- Amended Responsibilities Not Amended

Owner's Amended Responsibilities:

Contractor's Amended Responsibilities:

The following documents are attached to and made part of this Certificate:

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Executed by Engineer

Date

Accepted by Contractor

Date

Accepted by Owner

Date



State of Arkansas
Arkansas Department of Labor
Arkansas Occupational Safety and Health

10421 WEST MARKHAM • LITTLE ROCK, AR 72205-2190
Phone: 501-682-9091 Fax: 501-682-4532 TRS: 800-285-1131

CONTRACT FOR EXCAVATION REPORTING FORM

This form must be completed by any public body (state agency, county, municipality, school district, or other local tax unit or improvement district) awarding a contract for a public construction project which will involve any trench or excavation of five feet (5') or more. *Arkansas Code § 22-9-212.*

Name of Public Agency: _____

Address of Public Agency: _____

Contact Person: _____ Phone number: _____

Person Filing Report: _____

Name of General Contractor: _____

Address: _____ Phone number: _____

Name of any subcontractor doing trenching or excavation: _____

Subcontractor address: _____ Phone number: _____

Estimated start date: _____

Estimated completion date: _____

Site location/address/street/road: _____

Arkansas Code § 22-9-212 also requires that the current federal OSHA standard for excavation and trenching be incorporated into the project's specifications and that the contract bid form include a separate pay item for trench or excavation safety systems.

The Arkansas Department of Labor provides free training on trenching and excavation safety.

SEND NOTICE TO:

Arkansas Department of Labor
Safety Division
10421 West Markham Street
Little Rock, AR 72205-2190
(501) 682-9091
fax: (501) 682-4532
e-mail: mike.watson@arkansas.gov



**STATE OF ARKANSAS
DEPARTMENT OF LABOR
ARKANSAS OCCUPATIONAL SAFETY & HEALTH**

10421 WEST MARKHAM • LITTLE ROCK, AR 72205-2190

Phone: 501-682-9091 Fax: 501-682-4532 TRS: 800-285-1131

**REPORTING FORM FOR
WORK NEAR OVERHEAD HIGH VOLTAGE POWER LINES AND
CONDUCTORS**

This form must be completed by any person, firm, or corporation that desires to carry on any work or activity within ten feet (10') of overhead energized electrical lines or conductors. *Arkansas Code § 11-5-307*. The ten feet clearance applies to any part of any machinery, equipment or materials, as well as any employee or person.

Name of company or individual: _____

Address: _____ Phone Number: _____

Name & title of person filing report: _____

Date work to be performed: _____

Expected date of completion: _____

Has the operator of the electrical lines been notified? _____

IMPORTANT

*Arkansas Code § 11-5-307 also requires written notice to the owner or operator of the electrical lines. You must also make appropriate arrangements with the operator of the electrical lines **before** proceeding with any work which would violate the ten feet clearance requirement.*

The Arkansas Department of Labor provides free training on working safely near high voltage lines.

SEND NOTICE TO:

**Arkansas Department of Labor
Safety Division
10421 West Markham Street
Little Rock, AR 72205
(501) 682-9091
fax: (501) 682-4532
e-mail: mike.watson@arkansas.gov**

SECTION SP-1 – ARDOT SPECIFICATIONS

GENERAL

SP1-1.1 The standard specifications of the Arkansas Department of Transportation (ARDOT) are bound in a book titled Standard Specifications for Highway Construction. These specifications are referred to herein as "Standard Specifications." The latest edition (2014) shall apply. A copy of these "Standard Specifications" may be obtained from the Arkansas Department of Transportation, Little Rock, Arkansas, at their customary charge.

INCORPORATION AND MODIFICATION

SP1-2.1 Certain parts of the Standard Specifications are appropriate for inclusion in these Technical Specifications. Such parts are incorporated herein by reference to the proper section or paragraph number. The individual specification numbers noted herein may be different from those in the latest edition of the "Standard Specifications." The most current specification number shall apply. Each such referenced part shall be considered to be a part of these Contract Documents as though copied herein in full.

SP1-2.2 Certain referenced parts of the Standard Specifications are modified in the Specifications that follow. In case of conflict between the Standard Specifications and the Specifications that follow, the Specifications that follow shall govern.

SP1-2.3 Individual material test numbers change from time to time. Use the latest applicable test.

SP1-2.4 Reference in the Standard Specifications to the "Department" are herein changed to the "Owner".

END OF SECTION SP-1

SECTION 1 – SITE PREPARATION

DESCRIPTION

1.1-1 This item covers the preparation of the site for construction of the proposed improvements. The attention of the bidder is directed to the necessity for careful examination of the entire project site to determine, at the time of bid preparation, the full extent of work to be done under the item "SITE PREPARATION."

1-1.2 The item "SITE PREPARATION" shall include:

1. Mobilization/Demobilization
2. Contractor's Staging Areas
3. Contractor's Access
4. Clean Up

CONSTRUCTION METHODS

1-2.1 MOBILIZATION/DEMobilIZATION: The Contractor shall consider and include his cost for providing personnel, equipment, materials, bonds, etc. required for prosecution of the work under this item.

1-2.2 CONTRACTOR'S STAGING AREAS: The Contractor's staging area location shall be coordinated with the City Engineer and used by the Contractor to store materials/equipment, for employee parking, and for other purposes necessary to perform the work on this project. All areas used or otherwise occupied by the Contractor for his operations shall be cleaned and restored to their original condition prior to the final acceptance of the project by the Owner. All work involved in the preparation and restoration of areas used or occupied by the Contractor will not be measured for separate payment, but will be considered subsidiary to the bid item "SITE PREPARATION."

1-2.3 CONTRACTOR'S ACCESS: The Contractor's access to the site shall be coordinated with the City Engineer. Before final acceptance of the project, any damage to the existing roads caused by the Contractor shall be repaired as directed by the Engineer. The repair of the existing roads will not be measured for separate payment but will be considered subsidiary to the item "SITE PREPARATION."

1-2.4 CLEAN UP: From time to time, the Contractor shall clean up the site in order that the site presents a neat appearance and that the progress of work will not be impeded. One such clean up shall immediately precede final inspection.

Immediately following acceptance of the work by the Owner, the Contractor shall remove all temporary equipment, surplus materials, and debris resulting from his operations, and leave the site in a condition fully acceptable to the Owner. Cleanup will not be paid for directly but will be considered subsidiary to "SITE PREPARATION".

MEASUREMENT AND PAYMENT

1-3.1 Site Preparation will be measured as a lump sum complete item. Work completed and accepted under this item will be paid for at the contract lump sum price bid for "SITE PREPARATION," which price shall be full compensation for furnishing all labor, tools, equipment and incidentals necessary to complete the work. Periodic payments will be made under this item in proportion to the amount of work accomplished, as determined by the Engineer.

END OF SECTION 1

SECTION E-2 – EXCAVATION

DESCRIPTION

E2-1.1 This section addresses the requirements of all earthwork necessary for the construction or repairs of streets, driveways, parking areas, sidewalks, trails, curb and gutter, ditches, and site work within the project area in accordance with the Plans. The work shall be in conformity with the lines, grades, thicknesses, and typical sections/details as shown in the Plans or established by the Engineer.

STANDARDS

E2-2.1 All materials and work shall be in accordance with the lines and grades shown on the plans, or as directed by the Engineer, and with applicable portions of SECTION 210 – EXCAVATION AND EMBANKMENT and SECTION 212 – SUBGRADE of the Standard Specifications, except as modified or augmented herein.

MATERIALS

E2-3.1 Excavation performed under this Section, regardless of the material encountered, shall be classified as unclassified excavation.

Unless otherwise noted in the Plans or directed by the Engineer all excavated material shall become the property of the Contractor and shall be disposed of at an off-site location.

CONSTRUCTION METHODS

E2-4.1 All excavated material shall be disposed of by the Contractor off-site.

E2-4.2 The Contractor shall keep the subgrade properly drained at all times by the use of pumps as required. Improperly drained subgrade will not be justification for undercut. The Engineer may require the exposed surface to dry before any judgment is rendered to the quality or workmanship of the exposed soils. The Contractor may be required to scarify/disk (to promote drying) and recompact the subgrade prior to determining whether undercut will be permitted. Regraded, recompact, or reworked subgrade will not be considered for additional payment. Alternatively, the Contractor may elect to undercut saturated subgrade material at his own expense.

No contract time extensions will be granted to the Contractor for reworking wet subgrades retaining water due to improper grading or negligence by the Contractor. If proper drainage is not maintained during earthwork operations, the potential for undercut may be increased. Additional undercut required due to Contractor negligence will not be considered for payment.

Preparation of subgrade will not be measured for separate payment, but shall be considered subsidiary to subgrade repair pay items.

Subgrade soils which the Engineer determines cannot be properly compacted shall be undercut as determined by the City Engineer. This excavated unsuitable material shall be disposed of off-site.

E2-4.3 Where excavation is mistakenly carried below or beyond that required, the space shall be filled to grade with suitable material and thoroughly compacted as directed by the City Engineer. The Contractor will not be entitled to additional compensation for such over-excavation or the necessary refilling, unless the City's representative is responsible for the error.

E2-4.4 If it is necessary to interrupt existing surface drainage, sewers or under-drainage, conduits, utilities, or similar underground structures, the Contractor shall be responsible for and shall take all necessary precautions to preserve them or provide temporary services. When such facilities are encountered, the Contractor shall notify the City Engineer, who shall arrange for their removal if necessary. The Contractor shall, at his/her own expense, satisfactorily repair or pay the cost of all damage to such facilities or structures which may result from any of the Contractor's operations during the period of the contract.

MEASUREMENT AND PAYMENT

E2-5.1 All excavation as well as compacted Class 7 backfill material and specified geotextile fabric, acceptably completed and measured, shall not be measured for separate payment but shall be subsidiary to the subgrade repair pay item, which price shall include full compensation for all excavation; for sawcutting; for disposal or placement of unsuitable material including loading, hauling, spreading, and compaction; for compaction and preparation of subgrade; for all compaction testing; and for all equipment, tools, labor, and incidentals necessary to complete the work.

E2-5.2 "Undercut and Replace with Class 7" shall be measured from the surface of subgrade, to a depth as directed by the Engineer. Measurements will be taken by the Engineer, and the volume of undercut will be calculated at individual locations specified. The necessary refilling of undercut areas with compacted Class 7 will not be measured for separate payment, but will be subsidiary to undercut excavation pay item. Only that amount of undercut directed by the Engineer will be measured for payment.

END OF SECTION E-2

SECTION I-8 PAVEMENT REMOVAL

DESCRIPTION

I8-1.1 This item shall consist of the sawcutting, removal, and disposal of portions of the existing pavement, in accordance with these specifications and in conformity to the dimensions and details shown on the plans. Areas of removal have been shown on the Plans. All pavement material removed shall be disposed of off-site.

CONSTRUCTION METHODS

I8-2.1 GENERAL. No pavement removal or repair shall be started until the work has been laid out and approved by the Engineer. All removed pavement material shall be disposed of off-site. All hauling will be considered a necessary and incidental part of the work. Its cost shall be considered by the Contractor and included in the contract unit price for the pay of items of work involved. No payment will be made separately or directly for hauling on any part of the work.

I8-2.2 PAVEMENT REMOVAL: This item shall consist of the full-depth removal of existing pavement as shown on typical sections and at the locations shown on the plans. The method of removal shall be approved by the Engineer before any removal operations begin. The Contractor shall take care not to damage adjacent pavement which is to remain in place; any adjacent sound pavement damaged by the Contractor shall be removed and replaced at the contractor's expense.

Sawcutting will be required at the edge of the removal areas. The removal shall proceed to the depth necessary to remove the existing section or accommodate the new pavement section thickness. Removal of any additional material, beyond the pavement, necessary to accommodate the new pavement section thickness will not be measured for separate payment.

MEASUREMENT AND PAYMENT

I8-3.1 Pavement Removal will not be measured for separate payment but shall be considered subsidiary to the subgrade repair pay item.

END OF SECTION I-8

SECTION M-3 - COLD MILLING

DESCRIPTION

M3-1.1 This items covers cold milling of existing asphalt pavement in accordance with these specifications and in conformity to the dimensions and details shown on the plans. This item includes the cold milling, removal, and disposal of the paving materials designated to be removed. Areas of cold milling are shown on the plans or otherwise as directed by the City Engineer. All pavement material removed shall become property of the Contractor and disposed of offsite.

STANDARDS

M3-2.1 Materials, equipment, and construction methods for Cold Milling Asphalt Pavement shall be in accordance with SECTION 412 of the Standard Specifications 2014 Edition, except as modified or augmented herein.

SECTION 412, COLD MILLING ASPHALT PAVEMENT

412.01 Description.

Add:

If necessary, some street segments may potentially be placed on hold until utility companies relocate or replace utility lines. The Contractor will be responsible for milling streets along the existing curb and gutters to a depth of 1 inch along the face of the gutter and transitioned to the existing asphalt surface a distance of six (6) feet from the face of the gutter (see details attached in these documents). At intersection and edge joint transitions, milling depth should match the proposed surface course thickness. One small segment of the project shall receive a 1.5 inch full street width milling as shown in the plans. A City of North Little Rock representative will mark the extent of required milling. The grindings from Contractor milling shall become the property of the Contractor. The pavement remaining after milling shall provide a clean surface suitable for maintaining traffic. All pavement markings removed by the Contractor during milling shall be immediately replaced by temporary pavement markings in accordance with AHTD Standard Specifications, Section 604.02 (d).

412.02 Equipment.

Add:

The Contractor shall provide self-propelled equipment with sufficient power, traction, and stability to maintain an accurate depth of cut and slope. The equipment shall be capable of accurately and automatically establishing profile grades along each edge of the machine by referencing from the existing pavement by means of a ski or matching shoe or from an independent grade control and shall have an automatic system for controlling cross slope at a given rate. The milling machine shall have an effective means for preventing dust resulting from the operation from escaping into the air. Provision shall be made, either integrally with the milling machine or by use of additional equipment and manpower, to remove the material being cut from the surface of the roadway. Milled material shall be removed completely from roadway. No material shall be left in gutters or behind curb. All clean up shall be done within three (3) days of the milling operation and includes all grindings, asphalt, asphalt tapers, and millings loosened by traffic between the milling and overlay processes.

412.03 Construction Requirements.

Add:

No pavement removal shall be started until the work has been laid out by the Contractor and approved by the City Engineer. All hauling will be considered a necessary and incidental part of the work. Its cost shall be considered by the Contractor and included in the contract unit price for payment items involved. No payment will be made separately or directly for hauling on any part of the work. Contractor will inform the public of the milling activities one (1) day in advance of the application. The Contractor will do so by placing City provided "door hangers" upon homes and businesses along the street affected by the work. The Contractor's name, contact person, and phone number will be stamped in the place provided in the City's form. Contractor shall submit a traffic barricade / maintenance of traffic plan to the City of North Little Rock for approval prior to beginning any work. All maintenance of traffic plans shall be in accordance with section 604 "Traffic Control Devices in Construction Zones." The Contractor shall provide, position, erect, and maintain all necessary traffic control personnel, barricades, suitable and sufficient caution lights, danger signals, and traffic control signs (ROAD CLOSED, DETOUR, FRESH OIL, etc.) and shall take all necessary precautions for the protection of the work and safety of the public. Due to the multitude of intersections within the scope of work some traffic control may be necessary on side streets.

All signage and barricades used during maintenance of traffic shall be clean and in good condition. The existing pavement shall be cold milled to a depth as shown on the plans. Since many intersections are associated with this program, the Contractor must anticipate valley gutters requiring additional work as directed by the NLR representative.

All transverse joints left at the end of each day's run shall be tapered by milling or asphalt taper to provide a smooth ride. After milling, the Contractor is responsible for installing temporary asphalt tapers at all locations which cause a vertical bump, including but not limited to end joints, driveways, utility manholes, and utility valves to protect the safety of vehicular traffic. Installation, removal, disposal, and daily maintenance of temporary asphalt tapers shall be the Contractor's responsibility. Existing pavement markings removed by grinding shall be replaced with temporary pavement markings. Temporary pavement markings shall be as per AHTD Standard Specifications, Section 604.02 (d), and shall be the responsibility of the Contractor. The Contractor shall be responsible for spotting for temporary pavement markings. At the end of each day's operations, pavement markings, either permanent or temporary shall be in place on all roadways open to traffic. For each street, no milling shall be performed without at least two days' notice given to the City Engineer, Traffic Services Department, and street residents who will be impacted. Notice must also be given to City Engineer when milling operations are canceled and when they will be rescheduled. The Contractor shall schedule work so any street which has been milled shall be resurfaced within fifteen (15) days after completion of milling on that street segment. Failure of subgrade that is noticed as a result of delayed paving beyond the 15 day maximum time period between milling and resurfacing operations will be the responsibility of the Contractor to repair at their own expense, including any undercut and fabric as determined by the City Engineer's geotechnical representative. The Contractor shall provide prompt documented correspondence (text or email is sufficient) to the City Engineer of any subgrade failures noticed during milling operations to show that the Contractor is not liable due to delayed negligence. No paving operations shall begin without first providing at least a few days' notice of documented correspondence (text or email is sufficient) to the City Engineer that streets have been milled so there will be time for the City Engineer to inspect the street. Traffic Services Department and impacted street residents must also be contacted at least a few days in advance of paving operations. Some street segments may require utility relocations prior to resurfacing, so the Contractor may have to skip some street segments and return to those streets as required to coordinate street resurfacing with utility

relocations. The City of North Little Rock will be responsible for coordinating with the utility companies and for notification to the Contractor when each street is cleared of utility relocations and is ready for resurfacing.

412.04 Method of Measurement.

Cold Milling Asphalt Pavement will be measured by the square yard of pavement milled to the depth specified along street edges and longitudinal limits. Maintenance of traffic devices and temporary pavement marking installed that are used during Cold Milling Asphalt Pavement will not be measured for separate payment, but full compensation will be considered subsidiary to the cold milling pay items. See milling details attached to these Contract Documents.

412.05 Basis of Payment.

Work completed and accepted and measured as provided above will be paid for at the Contract unit price bid per square yard for Cold Milling Asphalt Pavement, which price shall be full compensation for all work as prescribed herein, and for all labor, equipment, tools, notifying property owners with door hangers, maintenance of traffic, and incidentals necessary to complete the work.

Payment will be made under:

- a. 1" Cold Milling (Gutter Edge) – per Square Yard
- b. 2" Cold Milling (Intersection/Edge Joint) – per Square Yard
- c. 1.5" Cold Milling (Full Width) – per Square Yard

END OF SECTION M-3

SECTION P-1 – AGGREGATE BASE COURSE

DESCRIPTION

P1-1.1 This section covers all work in connection with the construction of aggregate base course in accordance with the lines, grades, thicknesses, and typical sections as shown in the Plans or directed by the Engineer. Material shall be Class 7 as specified in the Plans.

STANDARDS

P1-2.1 Material and work (including testing) for aggregate base course shall be in accordance with SECTION 303 – AGGREGATE BASE COURSE of the Standard Specifications for Class 7, except as modified or augmented herein.

CONSTRUCTION METHODS

P1-3.1 TESTS: Material will be acceptable from quarries or crushing plants which currently are, or recently have been, supplying material meeting the Standard Specifications for Aggregate Base Course. In-place density shall be determined by AASHTO T 310, Direct Transmission of not less than 95% of maximum density determined in the laboratory by AASHTO T 180, Method D.

P1-3.2 MAINTENANCE: The Contractor shall maintain the base course until and during the construction of the subsequent surface course. Defects that develop in the base course shall be repaired by the Contractor at the Contractor's expense.

MEASUREMENT AND PAYMENT

P1-4.1 Aggregate Base Course acceptably completed and measured, shall not be measured for separate payment but shall be subsidiary to the subgrade repair pay item, which price shall include full compensation for furnishing and laying the base course, for all compaction and watering and for all labor, tools, equipment and incidentals necessary to complete the work.

END OF SECTION P-1

SECTION P-3 – ASPHALT CONCRETE HOT MIX SURFACE COURSE

DESCRIPTION

P3-1.1 This section covers construction of the Asphalt Concrete Hot Mix Surface Course in accordance with the lines, grades, thicknesses, and details shown in the Plans, or as directed by the Engineer.

STANDARDS

P3-2.2 SURFACE COURSE: Materials, equipment, and construction methods for ASPHALT CONCRETE HOT MIX SURFACE COURSE shall be in accordance with SECTIONS 407, 409, AND 410 of the Standard Specifications 2014 Edition, except as modified or augmented herein. The asphalt binder shall be PG 70-22.

CONSTRUCTION METHODS

P3-3.1 The Design and Quality Control of Asphalt Mixtures shall be in accordance with SECTION 404 of the Standard Specifications, except as modified herein.

SECTION 404, DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES

404.01 Design of Asphalt Mixtures.

(a) General.

Add: The Contractor shall furnish the City of North Little Rock one mix design.

(b) Design Requirements.

Add: Binder shall be grade PG 70-22. $N_{max} = 160$. ACHM Surface Course shall be 3/8" (9.5mm) (95% Mineral aggregate; 5% asphalt binder). Designated thicknesses compacted coarse @ 110 lbs/yd²/in.

SECTION 407, ASPHALT CONCRETE HOT MIX SURFACE COURSE

407.04 Construction Requirements and Acceptance.

Add:

This item consists of installing a compacted surface coarse @ 110 lbs per square yard per inch of Asphalt Concrete Hot Mix Surface Course on the streets shown in these bid documents unless otherwise approved in writing by the City of North Little Rock. Some street segments may potentially need to be placed on hold until utility companies relocate or replace utility lines. The Contractor shall notify the City Engineer by text or email of scheduled paving operations at least 2 days in advance, including rescheduled operations, and shall notify the City Engineer when operations are canceled. The Contractor shall inform the public of the application of materials at least two days in advance of the application. The Contractor will do so by placing City provided "door hangers" upon homes and businesses along the street affected by the work. The Contractor's name, contact person, and phone number will be stamped or written in the place provided on the City's form. The Contractor shall submit a traffic barricade / maintenance of traffic plan to the City of North Little Rock Traffic Services Department for approval prior to

beginning any work. All maintenance of traffic plans shall be in accordance with section 604 “Traffic Control Devices in Construction Zones.” The Contractor shall provide, position, erect, and maintain all necessary traffic control personnel, barricades, suitable and sufficient caution lights, danger signals, and traffic control signs (ROAD CLOSED, DETOUR, FRESH OIL, etc.) and shall take all necessary precautions for the protection of the work and safety of the public. Due to the multitude of intersections within the scope of work, some traffic control may be necessary on side streets.

Existing asphalt driveways, especially on non-curb and gutter streets, shall be tapered for a smooth transition to the newly resurfaced street at the time the new asphalt surface is applied. Also, since many intersections are associated with this program, the Contractor must anticipate valley gutters requiring additional work as directed by the NLR representative.

Existing pavement markings covered by ACHM Surface Course shall be replaced with temporary pavement markings. Temporary pavement markings shall be as per AHTD Standard Specifications, Section 604.02 (d), and shall be the responsibility of the Contractor. The Contractor shall be responsible for spotting for temporary pavement markings. At the end of each day’s operations, pavement markings, either permanent or temporary, shall be in place on all roadways open to traffic. Manhole rings and covers, risers, and valve boxes shall be placed and adjusted to finished grade by the Contractor. The City of North Little Rock will supply manhole ring risers, new covers, and valve boxes to the Contractor at no cost. As a last resort, any and all manholes which cannot be raised to grade shall be identified, marked at the curb, papered over, and completely paved if approved by the NLR representative. The covering of any and all manholes, hand hole, and other utility access point shall be completed under the direct supervision of the NLR representative. Installation, removal, disposal, and daily maintenance of any and all temporary asphalt tapers shall be the Contractor’s responsibility.

SECTION 410, CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES

410.09 (a) General.

Add:

Samples for all properties except density, thickness, and the investigation of segregation shall be obtained from trucks at the plant. The testing agency shall clearly mark the load ticket of each sampled truck to indicate that the load has been sampled.

410.09 (b)(1) Properties in Table 410-1.

Add:

Table 410-1 is amended to add thickness tolerances as shown below. When lots and subplot divisions for initial and final courses do not coincide, the Contractor may be required to take additional samples (full-depth) at his expense at locations agreed upon by the Engineer to potentially avoid penalties or rejection of his work.

TABLE 410-1: COMPLIANCE, PRICE REDUCTION AND REJECTION LIMITS FOR ACHM COURSES				
Property	Compliance Limits	Price Reduction Limits	Lot Rejection Limits	Sublot Rejection Limits
Thickness (variation from specified)				
Total Binder or Surface	+/- 1/4 inch	more than +/- 1/4 inch, to +/- 3/8 inch	greater than +/- 3/8 inch	greater than +/- 3/8 inch
Total Pavement	+/- 1/4 inch	more than +/- 1/4 inch, to +/- 3/8 inch	greater than +/- 3/8 inch	greater than +/- 3/8 inch

410.09 (b)(2) Pavement Smoothness.

Add:

The Contractor shall provide the straight-edge.

410.09 (b)(4).

Add:

Feather-edging of the new asphalt surface to the existing asphalt surface will not be permitted. At intersection and joint edges where the new asphalt surface abuts the existing street surface, the Contractor shall mill the existing asphalt surface to a depth equal to the proposed asphalt thickness so the new compacted asphalt surface forms a smooth joint with no vertical difference. At curb edges, except where full street width milling occurs, the Contractor shall mill the existing edge to a depth of 1.0 inch below existing surface.

410.09 (d) Adjustments.

Add:

(5) For thickness of each course layer, the contract price shall be reduced by 10% if the thickness is outside the Compliance Limits but within the Price Reduction Limits. For overall thickness, the contract price shall be reduced by an additional 10% if the thickness is outside the Compliance Limits but within the Price Reduction Limits.

For thickness of each course layer and/or total pavement thickness in excess of the amount specified and beyond the Compliance Limits, the payment shall be reduced by the amount of excess quantity of material placed, as determined by the Engineer. The intent of this section is to prevent the Owner from paying for excess and unauthorized quantities of material placed. However, if the elevations, cross slopes, or other characteristics are unacceptable to the Owner based on the requirements in the Contract Documents, the Contractor may be required to remove and replace pavement as determined by the Engineer.

METHOD OF MEASUREMENT

This item will be measured and paid per ton, based on printed tickets from the plant, laid in place. Item will include installation, maintenance, removal, or disposal of asphalt tapers, mineral aggregate, binder, tack coat, manhole ring and valve box adjustment, and public notification via door hangers. Manhole ring and valve box adjustments will not be measured for separate payment, but full compensation will be considered subsidiary to ACHM pay items.

BASIS OF PAYMENT

This item will be paid for by the ton laid in place and shall include installation, maintenance, removal, and disposal of asphalt tapers, mineral aggregate, binder, tack coat, any tonnage used for subgrade repairs or leveling course, adjustment of manhole and valve box rims to finished grade, tack coat, maintenance of traffic, cleanup, and public notification. This Contract unit price shall be full compensation for furnishing materials, for furnishing acceptable mix designs, for heating, mixing, hauling, placing, rolling, and finishing, and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

- a. 2" ACHM Surface Course (3/8", PG 70-22) – per Ton
- b. 2.5" ACHM Surface Course (3/8", PG 70-22) – per Ton
- c. 3" ACHM for Subgrade Repair (3/8", PG 70-22) – per Ton

END OF SECTION P-3

SECTION P-4 – PORTLAND CEMENT CONCRETE PAVEMENT

DESCRIPTION

P4-1.1 This section covers the construction of a Portland cement concrete placed on a compacted subgrade in conformance with the lines, grades, thicknesses, and details shown in the Plans.

STANDARDS

P4-2.1 Materials, equipment, construction methods, and testing for Portland Cement Concrete shall be in accordance with SECTION 501 – PORTLAND CEMENT CONCRETE PAVEMENT of the Standard Specifications, except as modified or augmented herein. Joints shall be constructed in accordance with the details in the Plans.

CONSTRUCTION METHODS

P4-3.1 Mix Design and the Contractor's Quality Control sampling and testing shall be in accordance with SECTION 501 of the Standard Specifications, except as modified herein. Design and Quality control of Portland Cement Concrete Pavement will consist of the Contractor furnishing acceptable mix designs and performing all applicable quality control sampling and testing. Proportioning shall provide for a minimum 28-day compressive strength of 4,000 p.s.i.

P4-3.2 Acceptance sampling and testing will be performed by the Engineer.

P4-3.5 TOLERANCE IN PAVEMENT STRENGTH: Compressive strength shall be as specified at 28 days using test specimens prepared in accordance with ASTM C 31 and tested in accordance with ASTM C 39. Concrete samples shall be furnished by the Contractor and shall be taken in the field to determine the consistency, air content, and compressive strength of the concrete. The samples shall be taken in the presence of the Engineer, at locations determined by the Engineer. Concrete cylinders shall be made each day that the concrete is placed. Each group of cylinders shall be molded from the same batch of concrete and shall consist of a sufficient number of specimens to provide two compressive strength tests at each test age. Test ages will be 7 days and 28 days.

PCC pavement represented by cylinders not meeting the specified strength shall be removed and replaced at the Contractor's expense, or allowed to remain at a reduced price agreed upon in writing between the Owner and the Contractor.

P4-3.6 JOINTS: Sealant for joints shall be silicone (non-acid curing) meeting the requirements of Table 1 below.

TABLE 1

<u>Test Method</u>	<u>Test</u>	<u>Requirements</u>
	Flow	self leveling
	Skin-over Time (1)	120 minutes (Max.)
	Cure Time (2)	21 days (Max.)
ASTM D 412-C	Modulus at 150% Elongation	30 p.s.i. (Max.)

	(3)	
ASTM D 412-C	Elongation (3)	800% (Min.)
	Adhesion to Concrete (Minimum percent Elongation)	600%
	(3)	
ASTM C 719	Movement (3)	±50%

- (1) Tested at 77° F ±3° and 50% ±5% humidity.
- (2) Cured at 77° F ±3° and 50% ±5% humidity.
- (3) Cured for 21 days at 77° F ±3° and 50% ±5% humidity

Each lot or batch of silicone sealing compound shall be delivered to the job site in the manufacturer's original sealed container. Each container shall be marked with the manufacturer's name, batch or lot number, shelf life, mixing instructions, and storage instructions and shall be accompanied by the manufacturer's certification stating that the compound meets the requirements of this specification.

Backer rod shall be a non-moisture absorbing, closed-cell, expanded polyethylene foam rod. The rod shall be compatible with the sealant and no bond or reaction shall occur between the rod and the sealant.

Prior to beginning the sealing operation, the Contractor shall have the sealant supplier demonstrate, to the satisfaction of the Engineer, the cleaning and installation procedures for the joint sealant to be installed on the project.

Joints shall be sealed as soon after completion of the curing period as feasible and before the pavement is opened to traffic, including construction equipment. The pavement temperature shall be above 50°F (10°C) before installation of silicone joint sealing material.

Immediately after saw cutting is complete the resulting cement slurry shall be completely removed from the joint by water washing (less than 100 psi pressure). After the joint is sufficiently dried, the joint shall be sandblasted. One pass along each reservoir face is required. After sandblasting the joint shall be blown out with compressed air. When the surfaces are clean and dry, and just prior to placement of the sealant, compressed air shall be used to blow out the joint and remove all residual dust. Air compressors shall be equipped with suitable traps capable of removing all free water and oil from the compressed air and shall be capable of furnishing air with a pressure greater than 90 psi.

Joints shall be inspected for proper width, depth, alignment, and preparation, and shall be approved by the Engineer before sealing is allowed. Sealant shall be installed in accordance with the following requirements:

A backer rod or bond breaker shall be installed as shown on the plans, prior to placement of the joint sealer. The backing material shall be placed as shown on the plans and shall be non-adhesive to the concrete or the sealant material. The self-leveling sealant shall be applied in a continuous operation, by means of approved pressure equipment that will force the sealing material to the bottom of the joint and completely fill the joint without spilling the material on the surface of the pavement. Sealant which does not bond to the concrete surface of the joint walls, contains voids, or fails to set up to a tack-free condition will be rejected and replaced by the Contractor at no additional cost.

Before sealing the joints, the Contractor shall demonstrate that the equipment and procedures for preparing, mixing, and placing the sealant will produce a satisfactory joint seal. This shall include the preparation and application of an adequate amount of the sealant that will demonstrate, to the satisfaction of the Engineer, the installation of the sealant.

MEASUREMENT AND PAYMENT

P4-4.1 Work completed and accepted under this item in accordance with the Plans or as directed by the Engineer will be measured and paid for at the contract unit price bid per square yard of the thicknesses specified, which price shall be full compensation for removing existing swale, furnishing, transporting and placing new materials, including any reinforcement and all joint materials; for the preparation and processing of materials; for mixing, spreading, vibrating, finishing, and curing; for sawing, filling, and sealing joint; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

- a. Remove and Replace 8” Reinforced Concrete Swale – per square yard

END OF SECTION P-4

SECTION I-1 - MAINTENANCE OF TRAFFIC

DESCRIPTION

I1-1.1 This item shall include the construction sequence, maintenance of access to individual properties, erection of signs and barricades and the maintenance of traffic in accordance with details shown on plans, with these specifications, or as directed by the Engineer. Barricade and warning signs and contractor's plans shall conform to Manual on Uniform Traffic Control Devices (MUTCD).

I1-1.2 Access through the construction area shall be provided to the residents abutting the construction site. Local through traffic may be detoured around the construction, subject to approval of the detour plan by the engineer.

I1-1.3 Maintenance of traffic as described above shall be accomplished in accordance with the applicable portions of Section 603, "Traffic Control Through Construction Zones" from ARDOT Standard Specifications, except as modified or augmented herein.

TRAFFIC MAINTENANCE AND BARRICADE PLAN

I1-2.1 The Contractor shall prepare maintenance of traffic and barricade plan for approval. This plan shall be submitted to the Engineer and the North Little Rock Traffic Department. The Contractor shall provide the Fire Chief and the North Little Rock Police Chief with a copy of the approved detour plan for their information. The approved or revised copy shall be furnished to the City Engineer and Traffic Department. The Contractor shall notify the North Little Rock Emergency Services at least one (1) hour prior to a complete closure of a street in accordance with Executive Order 97-03771-1200-771-1800. The Barricade Plan and the implementation/maintenance of the barricade plan shall not be paid for separately, but shall be considered subsidiary to the contract amount.

I1-2.2 The Contractor will inform the public of the application of materials one day in advance of the application. The Contractor will do so by placing City provided "door hangers" upon homes and businesses affected by the work. The Contractor's name, contact person, and phone number will be stamped in the place provided on the City's form. The roadway shall not be closed, except when and where directed by Public Works Operations, and whenever the roadway is not closed, the work must be so conducted that there shall at all times be a safe passageway for traffic. Streets closed to traffic shall be protected by effective barricades on which shall be placed acceptable warning signs or manned by traffic control personnel as needed. The Contractor shall provide and maintain acceptable warning and detour signs at all closures and intersections, directing the traffic around the closed portion or portions of the highway so that the temporary detour route or routes shall be clearly indicated. All barricades and obstructions shall be illuminated at night and all lights shall be kept burning from sunset until sunrise. Fire hydrants on or adjacent to the streets shall be kept accessible to the fire apparatus at all times and no materials or obstruction shall be placed within ten (10) feet of any such hydrant. Adjacent premises must be given access as far as practicable and obstruction of gutters and ditches will not be permitted. Materials stored along the roadway must be placed so as to cause as little obstruction to the traveling public as possible. No equipment will be parked on private property without the owner's written consent.

PROPERTY ACCESS

I1-3.1 Access to driveways shall be provided as approved by the City Engineer. It shall be the Contractor's responsibility to maintain reasonable access to private and commercial property at all times unless approved otherwise by the Engineer. During the construction for driveways or at any time the property owner cannot use their driveway, the Contractor shall notify the property owner in advance when the driveway will be closed and the approximate length of time it will be closed. The Contractor shall be responsible for damages to property caused by the construction and shall be resolved and/or paid for by the Contractor.

TRAFFIC CONTROL MEASURES

I1-4.1 The Contractor shall provide, position, erect, and maintain all necessary traffic control personnel, barricades, suitable and sufficient caution lights, danger signals, and traffic control signs (ROAD CLOSED, DETOUR, LOOSE SAND, FRESH OIL, etc.) and take all necessary precautions for the protection of the work and safety of the public. Signs will comply with current Manual on Uniform Traffic Control Devices for Streets and Highways ("MUTCD") code and be a minimum of 30" X 30." Due to the multitude of intersections within the scope of work some traffic control may be necessary on side streets.

I1-4.2 If, in the opinion of the Engineer and Traffic Department, where traffic warrants, the Contractor shall be required to provide flag men to direct traffic and to maintain traffic control. The Contractor will be required to pay all costs for such control as may be required.

MEASUREMENT AND PAYMENT

I1-5.1 Maintenance of traffic will not be measured for separate payment but shall be subsidiary to paving operation pay items.

END OF SECTION I-1

RANDOLPH ROAD REHABILITATION

NORTH LITTLE ROCK, AR



JUNE 2021

INDEX OF SHEETS	
SHEET	TITLE
1	COVER SHEET
2	SITE PLAN
3	DETAILS 1
4	DETAILS 2



CITY OF NORTH LITTLE ROCK
Engineering Department

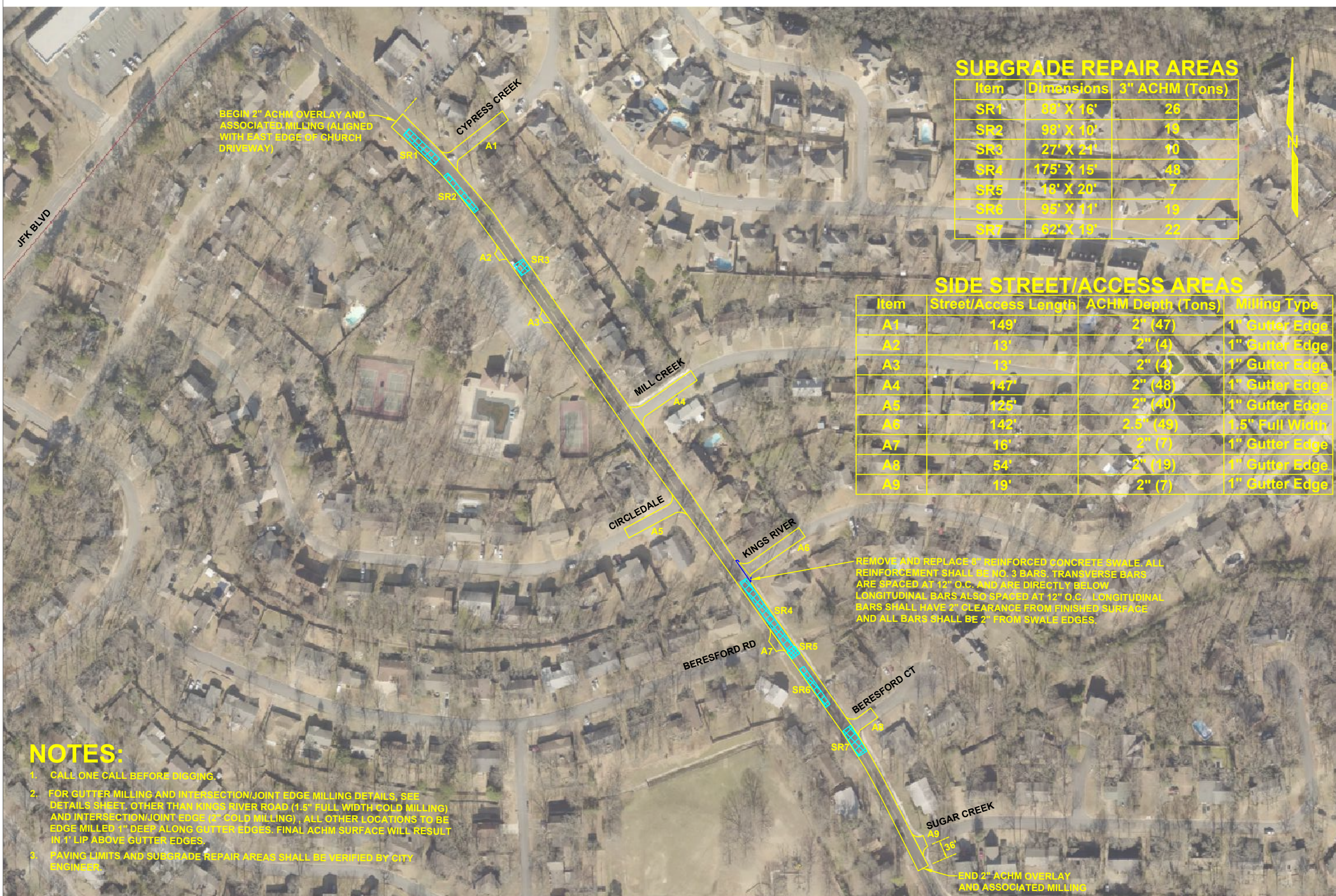
500 WEST 13TH STREET
NORTH LITTLE ROCK, AR 72114

RANDOLPH ROAD REHABILITATION

COVER SHEET

DATE: 6/2021
DESIGNED BY: MCK
DRAWN BY: MCK
SCALE: NONE

SHEET NUMBER
1



SUBGRADE REPAIR AREAS

Item	Dimensions	3" ACHM (Tons)
SR1	88' X 16'	26
SR2	98' X 10'	19
SR3	27' X 21'	10
SR4	175' X 15'	48
SR5	18' X 20'	7
SR6	95' X 11'	19
SR7	62' X 19'	22

SIDE STREET/ACCESS AREAS

Item	Street/Access Length	ACHM Depth (Tons)	Milling Type
A1	149'	2" (47)	1" Gutter Edge
A2	13'	2" (4)	1" Gutter Edge
A3	13'	2" (4)	1" Gutter Edge
A4	147'	2" (48)	1" Gutter Edge
A5	125'	2" (40)	1" Gutter Edge
A6	142'	2.5" (49)	1.5" Full Width
A7	16'	2" (7)	1" Gutter Edge
A8	54'	2" (19)	1" Gutter Edge
A9	19'	2" (7)	1" Gutter Edge

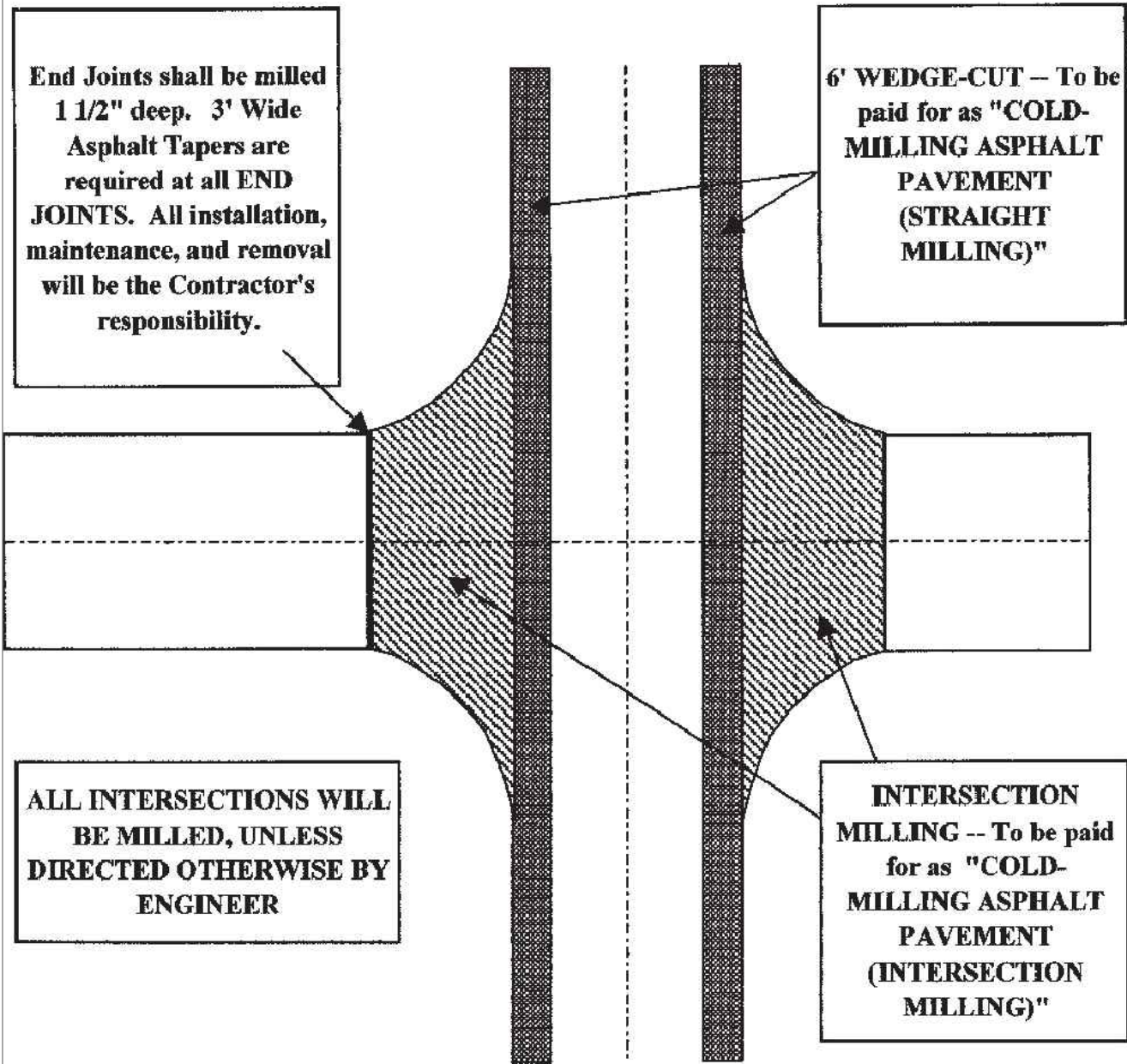
NOTES:

1. CALL ONE CALL BEFORE DIGGING.
2. FOR GUTTER MILLING AND INTERSECTION/Joint EDGE MILLING DETAILS, SEE DETAILS SHEET. OTHER THAN KINGS RIVER ROAD (1.5" FULL WIDTH COLD MILLING) AND INTERSECTION/Joint EDGE (2" COLD MILLING), ALL OTHER LOCATIONS TO BE EDGE MILLED 1" DEEP ALONG GUTTER EDGES. FINAL ACHM SURFACE WILL RESULT IN 1' LIP ABOVE GUTTER EDGES.
3. PAVING LIMITS AND SUBGRADE REPAIR AREAS SHALL BE VERIFIED BY CITY ENGINEER.

REMOVE AND REPLACE 6" REINFORCED CONCRETE SWALE. ALL REINFORCEMENT SHALL BE NO. 3 BARS. TRANSVERSE BARS ARE SPACED AT 12" O.C. AND ARE DIRECTLY BELOW LONGITUDINAL BARS ALSO SPACED AT 12" O.C./ LONGITUDINAL BARS SHALL HAVE 2" CLEARANCE FROM FINISHED SURFACE AND ALL BARS SHALL BE 2" FROM SWALE EDGES.

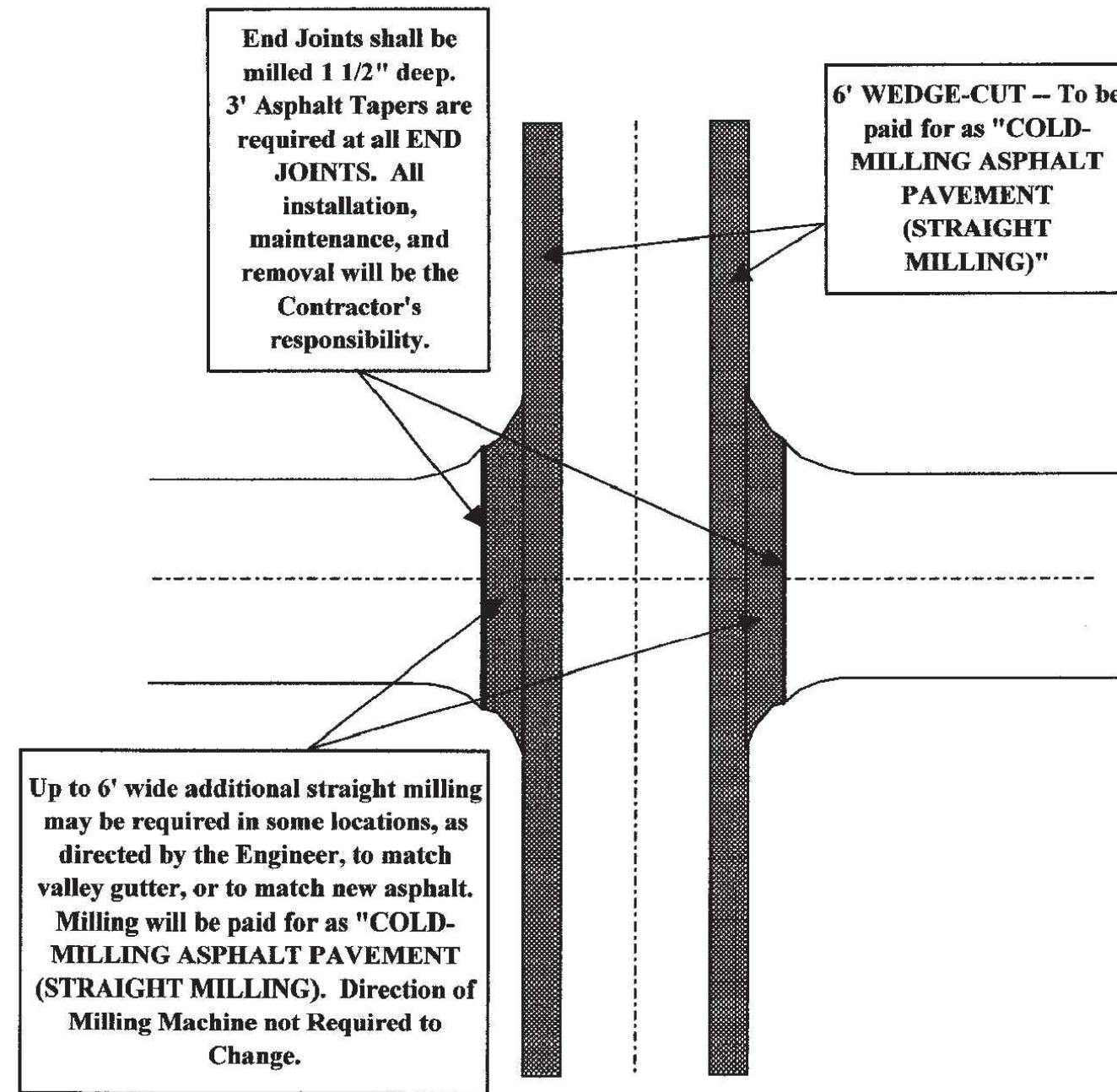
END 2" ACHM OVERLAY AND ASSOCIATED MILLING

INTERSECTION MILLING DETAIL #1



MILLING LIMITS TO BE DESIGNATED BY ENGINEER
See "Supplemental Specifications" For Cold-Milling Asphalt Pavement

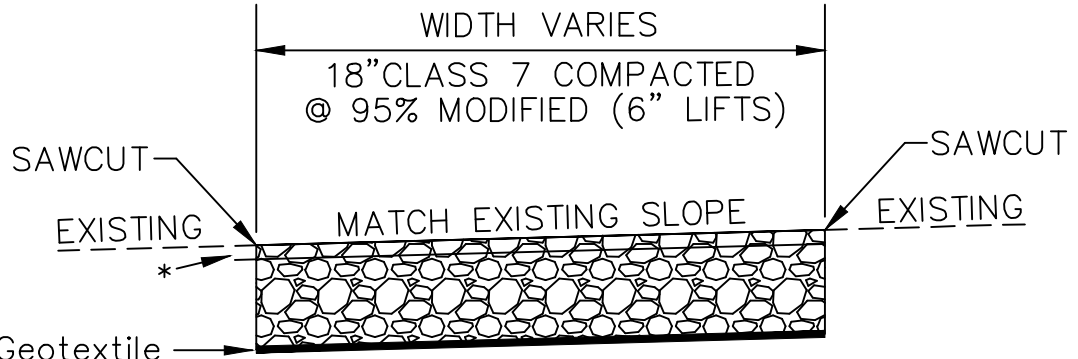
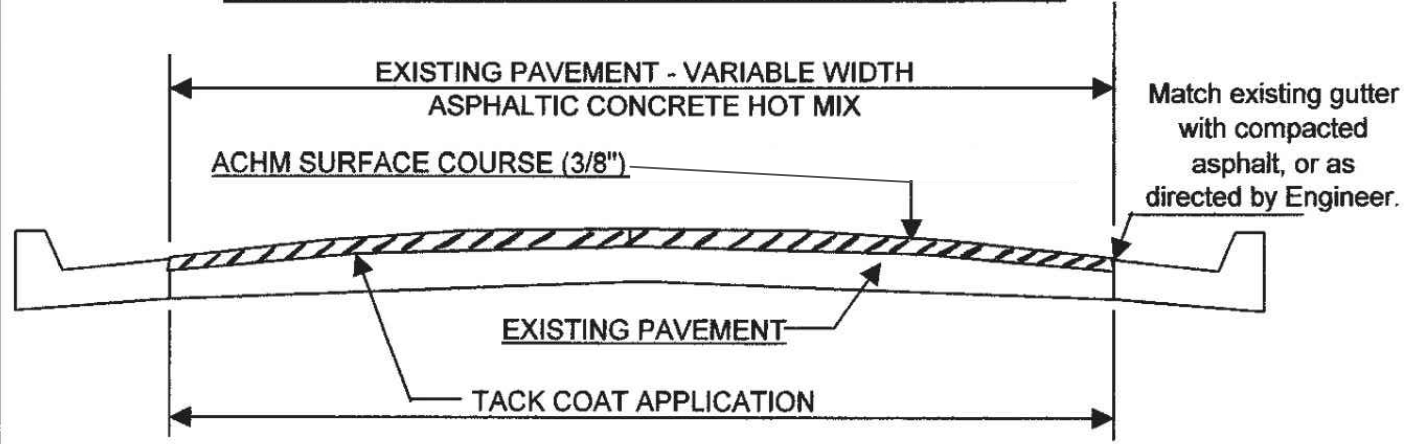
INTERSECTION MILLING DETAIL #2



MILLING LIMITS TO BE DESIGNATED BY ENGINEER
See "Supplemental Specifications" for Cold-Milling Asphalt Pavement.

RESURFACING DETAILS

TYPICAL RESURFACING WITH MILLING AT GUTTERS



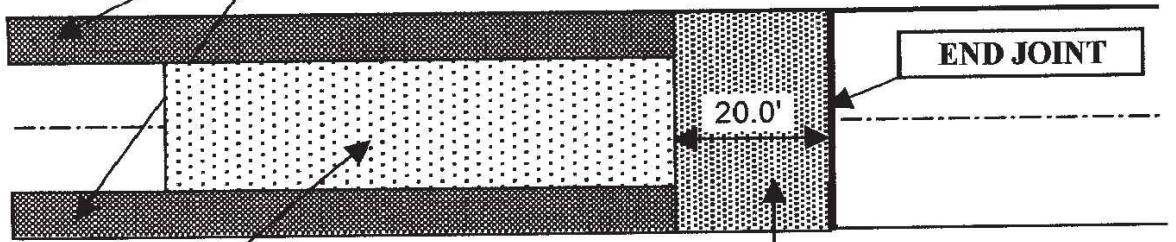
Mirafi HP270 Geotextile
Or Approved Equal

SUBGRADE REPAIR DETAIL

N.T.S.

* AT TIME OF PAVING, TOP THREE INCHES OF CLASS 7 IN SUBGRADE REPAIR AREAS SHALL BE REMOVED AND REPLACED WITH 3" ACHM BEFORE LIMITS OF ENTIRE STREET RECEIVES 2" ACHM OVERLAY.

6' WIDE WEDGE-CUT -- To be paid for as "COLD-MILLING ASPHALT PAVEMENT (STRAIGHT MILLING)"



END JOINT

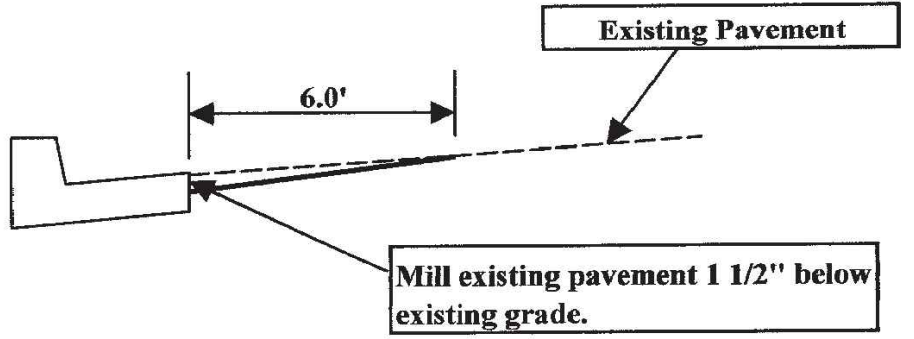
20.0'

Milling to be paid for as "COLD-MILLING ASPHALT PAVEMENT (INTERSECTION / END JOINT)". 3' Wide Asphalt Tapers are required at all END JOINTS. All installation, maintenance, and removal will be the Contractor's responsibility. Tapers may be required at driveways.

Full-Width Milling may be required in some locations as directed by Engineer. Full-width Milling will be paid for as "COLD-MILLING ASPHALT PAVEMENT (STRAIGHT MILLING)".

Milling Limits to be designated by Engineer.

See Supplemental Specification for "COLD MILLING ASPHALT PAVEMENT".



Existing Pavement

6.0'

Mill existing pavement 1 1/2" below existing grade.

MILLING DETAIL -- (WEDGE CUT)