BID NUMBER 10346

SOUTHERN UNIVERSITY AND A&M COLLEGE
BATON ROUGE CAMPUS
REQUEST FOR BID
October 21, 2025 @ 10:30 AM
James C. Archie Road Reconstruction Project
BWC Project Number 224026-Ag Center Project

Engineer Firm: Bluewing Civil Consulting, LLC
PO Box 3384
Lafayette, LA 70502
Ph. 337-419-0911
Contacts: Alex Guillory, PE & Kim Mitchell, COO
Emails: alex@bluewingcivil.com; kim@bluewingcivil.com

All Times are CTS

MANDATORY PRE—BID CONFERENCE AND SITE VISIT:	September ***30, 2025 @ 10:30 AM***
LOCATION:	Head House Building 9202 B.A. Little Drive Southern University Baton Rouge Campus Site Telephone No. 225-771-2143 or 225-954-1464
DEADLINE TO SUBMIT INQUIRIES:	***October 7, 2025 by 5:00 PM***
SUBMIT INQUIRIES TO:	**Linda Antoine** Email: linda_antoine@subr.edu
DEADLINE TO RESPOND TO INQUIRIES	***October 10, 2025 by 5:00 PM***

Note: Responses to inquiries/addenda are pasted on LAPAC (La State Procurement website) LAPAC website: https://wwwcfprd.doa.louisiana.gov/OSP/LaPAC/Agency/outMain.cfm
It is the responsibility of the vendor to check LAPAC for addenda.

DEADLINE TO SUBMIT BID:	***October 21, 2025 @ 10:30 AM***
SUBMIT BID TO:	Linda Antoine, Director Southern University Purchasing Department-P. O. Box 9534 or James L. Prestage Drive J. S. Clark Adm. Bldg. Annex, 1st Floor Baton Rouge, LA 70813 Telephone 225-771-2804 or 771-4587

Use link to submit bid online:
http://www.sus.edu/bidcertification

SOUTHERN UNIVERSITY AND A&M COLLEGE
BATON ROUGE CAMPUS
REQUEST FOR BID

PROJECT: *Road Reconstruction Project*
LOCATION: *James C. Archie Road*

BID DUE DATE AND TIME: October 21, 2025 @ 10:30 AM
BID # 50016-10346

Bids submitted are subject to provisions of but not limited to La.R.S.38:2212 Purchasing Rules and Regulations; Executive Orders; and the General Terms and Conditions, listed in this Invitation for Bid. Southern University reserves the right to award items separately, grouped or on an all or none basis and to reject any or all bids and waive any informalities.

BIDS MAY BE SENT BY MAIL OR HAND-DELIVERED TO:

Bids should be mailed to:
Southern University
Purchasing Department
Post Office Box 9534
Baton Rouge, Louisiana 70813

As an alternative, bids may be hand delivered to:
Southern University
Purchasing Department
1st Floor East-James L. Prestage Drive
J. S. Clark Administration Building
Baton Rouge, Louisiana 70813

Use link to submit bid online:
http://www.sus.edu/bidcertification

The Southern University Purchasing Department is not responsible for any delays caused by bidders' chosen means of delivery. Failure to meet the bid deadline submittal date and time shall result in rejection of bid.

All Times are CTS

MANDATORY PRE-BID CONFERENCE & SITE VISIT: SEPTEMBER 30, 2025 @ 10:30 AM

LOCATION: Headhouse Building (Southern University Campus)
(Ag Center)
9202 B.A. Little Drive
Baton Rouge, LA 70813

Deadline to submit inquiries: October 7, 2025 by 5:00 PM
Deadline to respond to inquiries: October 10, 2025 by 5:00 PM

INQUIRIES:
No negotiations, decisions, or actions will be executed by any bidder as a result or any oral discussion with any University employee or State Consultant. Only those transactions which are in writing, sent to **Linda A. Antoine, Director of Purchasing, will be considered as valid.**
Send inquiries to linda_antoine@subr.edu

INSTRUCTIONS TO BIDDERS

1. **Bid Forms**
   All written bids, unless otherwise provided for, must be submitted on, and in accordance with forms provided and properly signed in ink. Bids submitted in the following manner will not be accepted:
   Bid containing no signature indicating intent to be bound
   (1) Bid filled out in pencil
   (2) Bid not submitted on University standard forms
   Bids must be received at the address specified in the Invitation for Bid prior to bid opening time in order to be considered.

2. **Envelope (if mailed)**

Document will be included with the successful vendor's contact.

Bidders are requested to submit bid package in a sealed envelope of your choice that is clearly marked identifying the ***company's name, complete address, bid number, time and date of bid opening, and license number, if applicable.***
Bidder is responsible for means of delivery of bid.
Louisiana Contractors License Number shall be placed on the outside of the envelope.

3. **Standards of Quality**
Any product or service bid shall conform to all applicable federal, state and local laws, regulations and the specifications contained in the IFB. Unless otherwise specified in the IFB, any manufacturer's name, trade name, brand name, or catalog numbers used in the specifications is for the purpose of describing the quality level, performance and characteristics required. Bidder must specify the brand and model number of the product offered in his/her bid. Bids not specifying brand and model numbers will be considered as offering the exact product(s) specified in the IFB.

4. **Descriptive Information**
Bidders proposing an equivalent brand or model should submit information with bid (such as illustrations, descriptive literature, technical data) sufficient for the University to evaluate quality, suitability and compliance with the specifications in the IFB. Failure to submit descriptive information may cause bid to be rejected. Any change made to a manufacturer's published specification submitted for a product should be verifiable by the manufacturer. If item(s) bid do not fully comply with specifications (including brand and/or product number), bidder must state in what respect the item(s) deviate. Failure to note exceptions on the bid form will not relieve the successful bidder(s) from supplying the actual products requested.

5. ***INSURANCE:***
A current insurance certificate with Southern University as the certificate holder shall be sent to the Purchasing Department before starting project. Contractor shall maintain insurance coverage until project is completed.

6. **Prices**
Unless otherwise specified by the Purchasing Department, bid prices must be complete, including transportation, prepaid by bidder to destination. In the event of extension errors, the unit price shall prevail.

7. **Payment Terms**
Payment is to be made within thirty (30) days after receipt of properly executed invoice, or delivery and acceptance, whichever is later. Delinquent payment penalties are governed by **L.R.S. 39:1695**.

8. **Deliveries**
Bids may be rejected if the delivery or completion time indicated is longer than that specified in the bid.

9. **Vendor Invoices**
Invoices or AIA payment form shall reference the Southern University purchase/release order number, vendor's packing list/delivery ticket, ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order and should show the amount of any prompt payment discount and submitted on the vendor's own invoice form. Invoices submitted by the vendor's supplier will not be accepted. Terms are net 30.

10. **Tax Information/State of Louisiana**
Vendor is responsible for including all applicable taxes in the bid prices. Southern University is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly accessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc. In accordance with Act Number 1029 of the 1991 Regular Session, effective September 1, 1991 state agencies will no longer be required to pay state sales tax.

11. **New Products**
Unless specifically called for, all products for purchases must be new (never previously used) and the current model and/or packaging. The manufacturer's standard warranty will apply unless otherwise specified in the IFB.

12. **Contract Cancellation**
Southern University has the right to cancel any contract, in accordance with Purchasing Rules and Regulations, for cause, including but not limited to, the following: (1) failure to deliver within time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition;(3) misrepresentations by the contractor;(4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the state; (5) conflict of contract provisions with constitutional or statutory provision of state or federal law; (6) any other breach of contract.

Document will be included with the successful vendor's contact.

13. **AWARD AND EXECUTION OF CONTRACT**:
The owner shall incur no obligation to the contractor until the contract between the owner and contractor is duly executed. If the contractor is notified of the acceptance of the bid within thirty (30) days of the opening bid date, contractor agrees to execute and deliver to owner, Performance and Payment Bond and Certificate of Insurance, a copy of which is attached to the Contract Documents, within ten (10) working days after notice from the Owner that the instrument is ready for signature.

14. **Fiscal Funding Clause (Renewal Contracts Only)**
In accordance with LA R.S.39:1615 (c) and (e), any contract entered into by the State of Louisiana and Southern University shall include the following Fiscal Funding Clause:
C. Termination due to unavailability of funds in succeeding years. When funds are not appropriated to support continuation of performance in a subsequent year of a multiyear contract, the contract for such subsequent year shall be terminated. When a contract is terminated under these conditions, no additional funds shall be paid to the contractor as a result of such action. **E.** With respect to all multiyear contracts, there shall be no provisions for a penalty to the state for the cancellation or early payment of the contract. The continuation of this contract is contingent upon the appropriation of funds to fulfill the requirements of the contract by the legislature. All proposers should be aware that our legislative process is such that it is often impossible to give prior notice of the non-appropriation of funds.

15. **Default of Contactor**
Failure to deliver within the time specified in the bid will constitute a default and may cause cancellation of the contract. Where the state had determined the contractor to be in default, the state reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.

16. **Order of Priority**
In the event there is a conflict between the Instructions to Bidders the General Terms and Conditions will govern.

17. **Applicable Law**
All contracts will be construed in accordance with and governed by the laws of State of Louisiana. Vendors shall be in compliance with applicable laws of the State of Louisiana and Federal Laws where applicable, to include licenses, fees and permits. Vendors are responsible for the cost of licenses, fees and permits.

18. **Certification of No Suspension or Debarment ($25,000 or more)**
By signing and submitting this bid, bidder certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at www.sam.gov.
____Federal Funded __XXNon-Federal Funded

19. **E-VERIFY** (verification of employees)
Contractor acknowledges and agrees to comply with the provisions of La R.S. 38:2212.10 and federal law pertaining to E-Verify in the performance of services under this contract.

20. **Prohibited Contractual Arrangements**
Per Louisiana R.S. 42:1113.a, no public servant, or member of such public servant's immediate family, or legal entity in which he is a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions and provisions.

21. **Discriminatory Boycotts of Israel**
This section applies to procurements with a value of $100,000 or more and for vendors with five (5) or more employees
Prohibition of Discriminatory Boycotts of Israel
In accordance with R.S. 39:1602.1, for any contract for $100,000 or more and for any contractor with five or more employees, the Contractor certifies that neither it nor its subcontractors are engaged in a boycott of Israel, and that the Contractor and any subcontractors shall, for the duration of this contract, refrain from a boycott of Israel. The State reserves the right to terminate this contract if the Contractor, or any Subcontractor, engages in a boycott of Israel during the term of this contract.

22. **Prohibition of Companies That Discriminate Against Firearm and Ammunition Industries**
In accordance with La. R.S. 39:1602.2, the following applies to any competitive sealed bids, competitive sealed proposals, or contract(s) with a value of $100,000 or more involving a for-profit company with at least fifty full-time employees:
Unless otherwise exempted by law, by submitting a response to this solicitation or entering into this contract, the Bidder, Proposer or Contractor certifies the following:

Document will be included with the successful vendor's contact.

The company does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association;

The company will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association

23. **Mutual Indemnification**
Each party hereto agrees to indemnify, defend and hold the other, its officers, directors, agents and employees harmless from and against any and all losses, liabilities and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence.

24. **Fair Labor Standards Act**
Contractor shall be in compliance with the **Fair Labor Standards Act 29 USC 201-6;** Establishes minimum wage, overtime pay, equal pay, recordkeeping, and child labor standards for employees or in the production of goods for interstate commerce. **By signing and submitting this bid, bidder certifies that its company, any subcontractors, or principals thereof** is in accordance with said compliance. **United States Department of Labor website: www.dol.gov/esa**

25. **Davis-Bacon Act ($2,000 or more)**
Contractor shall be in compliance with the **Davis-Bacon Act, 40 USC 276A-7;** ensures that laborers and mechanics employed pursuant to federally funded construction contracts, subcontracts and construction under Federal grants, will be paid wages as determined by the U.S. Secretary of Labor. **By signing and submitting this bid, bidder certifies that its company, any subcontractors, or principals thereof** is in accordance with said compliance. **United States Department of Labor website: www.dol.gov/esa**

____Federal Funded ___XXX__Non-Federal Funded

26. **Small Business Entrepreneurship Programs**
The Southern University System is a participant in the Louisiana for the Small Entrepreneurships Program (the Hudson Initiative) and the Louisiana Initiative for Veterans and Service-Connected Disabled Veterans-Owned Business Small Entrepreneurships. Bidders are encouraged to consider participation. A list of certified vendors and additional information can be obtained from website http://www.ledsmallbiz.com. Potential participants may also register at this website. Businesses include minority and women.

27. **Public Works Projects (R.S. 38:2227)**
In accordance with the provisions of R.S. 38:2227; in awarding public works projects, any public entity is authorized to reject a proposal or bid, or not award the contract, to a business in which any individual with an ownership interest of ten percent (10%) or more, has been convicted, or has entered a plea of guilty or nolo contenere to any state felony or equivalent federal felony crime.

28. **Tobacco-Free Policy**
The use of tobacco products on any Southern University campus is prohibited by students, staff, faculty or visitors in all campus buildings, facilities, or property owned or leased by Southern University System and outside areas of the campus where non-smokers cannot avoid exposure to smoke; on campus grounds, facilities, or vehicles that are the property of the University; and at lectures, conferences, meetings, and social and cultural events held on school property or school grounds. The sale or free distribution of tobacco products, including merchandise on campus or at school events is prohibited.

29. **Equal Opportunity Employer**
Southern University and A&M College Systems of the State of Louisiana is an equal opportunity employer and looks to its contractors, sub-contractors, vendors, and suppliers to take affirmative action to affect this commitment in its operations. By submitting and signing this bid, the bidder certifies that he agrees to adhere to the mandates dictated by Title VI and VII of the Civil Rights Act of 1964, as amended; the Vietnam Era Veterans' Readjustment Assistance Act of 1974; Section 303 of the Rehabilitation Act of 1973; Section 202 of Executive Orderll24b, as amended; and the Americans with Disabilities Act of 1990. Bidder agrees that he will not discriminate in the rendering of services to and/or employment of individuals because of race, color, religion, sex, age, national origin, handicap, disability, veteran status, or any other non-merit factor. Bidder further agrees to keep informed of and comply with all Federal, State, and local laws, ordinances, and regulations which affect his employees or prospective employees. Any person who is a "Qualified Individual with a Disability" as defined by 42 USC 12131 of the American with Disabilities Act who has submitted a bid on this procurement and who desires to attend the bid opening, must notify this office in writing no later than seven (7) working days prior to the bid opening date of their need for special accommodations. If the requested accommodations cannot be reasonably provided, the individual will be so informed prior to the bid opening.

30. **Code of Ethics**
The contractor acknowledges that Chapter 15 of Title 42 of the Louisiana Revised Statutes (R.S. 42:1101 et. seq., Code of Governmental Ethics) applies to the Contracting Party in the performance of services called for in this contract. The contractor agrees

to immediately notify the state if potential violations of the Code of Governmental Ethics arise at any time during the term of this contract.

31. **Vendor Forms/SU Signature Authority**
The terms and conditions of the SU solicitation and purchase order/contract shall solely govern the purchase agreement, and shall not be amended by any vendor contract, form, etc. The University's chief procurement officer, or designee, is delegated sole authority to execute any vendor contracts, forms, etc. Departments are prohibited from signing any vendor forms.

32. **Prosecution of Work**
The work is to be done when Southern University is in operation. The contractor shall, therefore, plan the repairs and installation in specifications so as not to interfere with normal operations of the facility and shall exert effort to expedite completion of the work once it has started. It is intended that the work shall be done during normal working hours, however, should work require overtime (Saturday, Sunday and/or night working hours), the cost must be borne by the contractor at no extra compensation from the Owner (Southern University).

33. **On-Campus Attendance Requirements (COVID-19)**
The Center for Disease and Control (CDC) recommends social distancing and wearing of masks to prevent the spread of the Coronavirus (COVID19). Persons visiting Southern University are required to wear a mask/face covering and stay at least 6 feet between yourself and others, even when you wear a face covering.

34. **Termination of the Contract for Convenience**
The State/University may terminate the contract at any time by giving thirty (30) days written notice to the Contractor of such termination or negotiating with the Contractor an effective date. The Contractor shall be entitled to payment for deliverables in progress, to the extent work has been performed satisfactorily.

35. **Termination for Cause**
The State may terminate this Contract for cause based upon the failure of the Contractor to comply with the terms and/or conditions of the Contract; provided that the State shall give the Contractor written notice specifying the Contractor's failure. If within thirty (30) days after receipt of such notice, the Contractor shall not have either corrected such failure or thereafter proceeded diligently to complete such correction, then the State may, at its option, place the Contractor in default and the Contract shall terminate on the date specified in such notice. The Contractor may exercise any rights available to it under Louisiana law to terminate for cause upon the failure of the Owner to comply with the terms and conditions of this contract; provided that the Contractor shall give the State written notice specifying the State's failure and a reasonable opportunity for the Owner to cure the defect.

36. **Auditors**
It is hereby agreed that the Legislative Auditor of the State of Louisiana and/or the Office of the Governor, Division of Administration auditors shall have the option of auditing all accounts of contractor which relate to this contract.

37. **Awarded Products/Unauthorized Substitutions**
Only those awarded brands and numbers stated in the SU contract are approved for delivery, acceptance, and payment purposes. Any substitutions require prior approval of the Purchasing Office. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at vendor's expense, and non-payment.

38. **Acceptance**
Upon written notice by the Owner, a Notice by Owner of Acceptance of Work will be executed and forwarded to the Contractor for recording with the Clerk of Court in the parish in which the work has been performed and shall furnish a clear Lien Certificate from the Clerk of Court (to the owner along with final invoice) forty-five (45) days after recordation of acceptance. Final payment of ten percent (10%) will be made at this time.

39. **Guarantee**
It is the intention of the specifications to secure a first-class permanent material and construction and to this end, Contractor will be held responsible for and must correct defects discovered in the work within one (1) year from acceptance. Should any materials or methods be called for, of such nature to render this guarantee impossible, written notice to this effect should be given Owner (Southern University) before signing contract and/or beginning of work; failure to do this will be construed as agreement to the strictest terms of the guarantee.

40. **Clean-Up**
The Contractor will be directed during the progress of work to remove and properly dispose of the resultant and debris. Upon completion, Contractor shall remove all equipment, unused materials and debris and will leave the premises in a clean and first-class condition.

41. **Examination of Site**

Document will be included with the successful vendor's contact.

Each bidder will visit the site of the proposed project and will fully acquaint himself with conditions relating to construction and labor so that he may fully understand the facilities, difficulties and restrictions attending the execution of work under this contract. No consideration or allowance will be granted the Contractor for failure to visit the site or for any alleged misunderstanding of the materials to be furnished or the work to be done.

42. ***Anti-Kickback Clause***
The Contractor hereby agrees to adhere to the mandate dictated by The Copeland "Anti-Kickback" ACT which provides that each Contractor or Subgrantee shall be prohibited from inducing, by any means, any person employed in the completion of work, to give up any part of the compensation to which he is otherwise entitled.

43. ***Clean Air Act***
The Contractor hereby agrees to adhere to the provisions which require compliance with all applicable standards, orders or requirements issued under Section 306 of the CLEAN AIR ACT which prohibits the use under non-exempt contracts, grants or loans of facilities included on the EPA list of Violating Facilities.

44. ***Clean Water Act***
The Contractor hereby agrees to adhere to the provisions which require compliance with all applicable standards, orders or requirements issued under Section 508 of the Clean Water Act which prohibits the use under non-exempt federal contracts, grants or loans of facilities included on the EPA list of Violating Facilities.

45. **Energy Policy and Conservation Act**
The Contractor hereby recognizes the mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

46. ***Anti-Lobbying and Debarment Act***
The Contractor will be expected to comply with federal statutes in the Anti-Lobbying Act and The Debarment Act.

47. ***Signature Authority***
A CORPORATE RESOLUTION OR WRITTEN EVIDENCE OF THE AUTHORITY OF THE PERSON SIGNING THE BID FOR THE PUBLIC WORK AS PRESCRIBED BY LOUISIANA REVISED STATUTE 38:2212 (B)(5)
A copy of the applicable signature authority document/Board Resolution or LA Secretary of State Registration must be submitted with bid.

48. ***ADITIONAL REQUIREMENTS***

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PLANS; THE PROJECT SPECIFICATIONS, AND HALL COMPLY WITH APPLICALBE LOCAL AND STATE BUILDING CODES AS WELL AS ANY AND ALL REGULATORY AGENCY REQUIREMENTS AND LAWS, INCLUDING BUT NOT LIMIOTED TO OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
2. CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT, IF APPLICABLE, OF ALL CONFLICTS OR DISCRENPENSIES PRESENTED IN THESE PLANS PRIOR TO THE START OF WORK.
3. ALL WORK WHETHER SHOWN OR IMPLIED, UNLESS SPECIFICALLY QUESTIONED SHALL BE CONSIDERED UNDERSTOOD IN ALL RESPECTS BY THE GENERAL CONTRATOR AND WHO WILL BE RESPOSIBLE FOR ANY MISINTERPRETATIONS AND CONSEQUENCES THEREOF.
4. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
5. ENGINEER/ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ALL IDENTIFIED EXISTING UTILITIES NOT INDENTIFIED IN THE PLANS.
6. OWNER SHALL PROVIDE WATER FOR CLEANING OPERATIONS FROM ANY FIRE HYDRANT AT NO COST TO THE CONSULTANT.

Document will be included with the successful vendor's contact.

INSURANCE REQUIREMENTS

Southern University and A&M College
James C. Archie Road Reconstruction Project
Bid Number 50016-10346

The Contractor shall purchase and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, its agents, representatives, employees or subcontractors.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE

1. **Workers Compensation**
   Workers Compensation insurance shall be in compliance with the Workers Compensation law of the State of the Contractor's headquarters. Employers Liability is included with a minimum limit of $500,000 per accident/per disease/per employee. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included and the Employers Liability limit increased to a minimum of **$1,000,000. A.M. Best's insurance company rating requirement may be waived for workers compensation coverage only.**

2. **Commercial General Liability**
   Commercial General Liability insurance, including Personal and Advertising Injury Liability, shall have a minimum limit per occurrence of **$1,000,000 and a minimum general aggregate of $2,000,000.** The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

3. **Automobile Liability**
   Automobile Liability Insurance shall have a minimum combined single limit per occurrence of $1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles.

B. DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and accepted by the Agency. The Contractor shall be responsible for all deductibles and self-insured retentions.

C. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

1. General Liability and Automobile Liability Coverage

   a. The Agency, its officers, agents, employees and volunteers shall be named as an additional insured as regards negligence by the contractor. ISO Form CG 20 10 (current form approved for use in Louisiana), or equivalent, is to be used when applicable. The coverage shall contain no special limitations on the scope of protection afforded to the Agency.

   b. The Contractor's insurance shall be primary as respects the Agency, its officers, agents, employees and volunteers. Any insurance or self-insurance maintained by the Agency shall be excess and non-contributory of the Contractor's insurance.

   c. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

   d. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the policy limits.

2. Workers Compensation and Employers Liability Coverage
   The insurer shall agree to waive all rights of subrogation against the Agency, its officers, agents, employees and volunteers for losses arising from work performed by the Contractor for the Agency.

3. All Coverage

   a. Coverage shall not be canceled, suspended, or voided by either party (the Contractor or the insurer) or reduced in coverage or in limits except after 30 days written notice has been given to the Agency. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy.

   b. Neither the acceptance of the completed work nor the payment thereof shall release the Contractor from the obligations of the insurance requirements or indemnification agreement.

   c.

1 Initial and return with proposal

The insurance companies issuing the policies shall have no recourse against the Agency for payment of premiums or for assessments under any form of the policies.

d. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

D. ACCEPTABILITY OF INSURERS

All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with a A.M. Best's rating of **A-:VI or higher**. This rating requirement may be waived for workers compensation coverage only.

If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another Certificate of Insurance as required in the contract.

E. VERIFICATION OF COVERAGE

Contractor shall furnish the Agency with Certificates of insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Agency before work commences and upon any contract renewal thereafter.

In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision endorsement for each insurance policy. The Agency reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

F. SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the Certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Agency reserves the right to request copies of subcontractor's Certificates at any time.

G. WORKERS COMPENSATION INDEMNITY

In the event Contractor is not required to provide or elects not to provide workers compensation coverage, the parties hereby agree that Contractor, its owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Workers Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its owners, agents and employees. The parties further agree that Contractor is a wholly independent contractor and is exclusively responsible for its employees, owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

Maritime (Jones Act and LHWCA) needed when work is performed over navigable bodies of water

H. INDEMNIFICATION/HOLD HARMLESS AGREEMENT

Contractor agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims, demands, suits, or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

Note: Successful bidder will be required to submit a certificate of insurance with Southern University as the certificate holder.

JOB SITE VISIT

MANDATORY SITE VISIT DATE SEPTEMBER 30, 2025 @ 10:30 AM
PROJECT: JAMES C. ARCHIE ROAD RECONSTRUCTION PROJECT
LOCATION: BATON ROUGE CAMPUS
BID DUE DATE AND TIME: OCTOBER 21, 2025 @ 10:30 AM
BID NUMBER 50016-10346

LATE ARRIVALS CANNOT PARTICIPATE IN THE BID PROCESS

It is the responsibility of the bidder to inspect job site, verify any measurements and/or supplies needed prior to submitting a bid price on this project. Each bidder shall fully acquaint himself with conditions relating to construction and labor so that he may fully understand the facilities, difficulties and restrictions attending the execution of work under this contract. If vendor finds conditions that disagree with the physical layout as described in the bid, or any other features of the specifications that appear to be in error, same shall be noted on proposal. Failure to do so will be interpreted that bid is as specified. No consideration or allowance will be granted the Contractor for failure to visit the site or for any alleged misunderstanding of the materials to be furnished or the work to be done.

JOB SITE VISIT LOCATION:

Head House Building
9202 B.A. Little Drive
Southern University-Baton Rouge Campus
Site Telephone No. 225-771-2143 or 225-954-1464

The signed statement certifies the vendor's name listed below has visited the proposed site and is familiar with all conditions surrounding fulfillment of the specifications for this project.

*COMPANY*_____

*BY*_____

*DATE*_____

Note: *Questions not answered at Site Visit or any additional questions shall be submitted in writing to the Director of Purchasing, Linda A. Antoine at linda_antoine@subr.edu.*

Note: Responses to inquiries/Addenda are pasted on LaPAC (LA Procurement Website)
LA State Procurement website:
https://wwwcfprd.doa.louisiana.gov/OSP/LaPAC/Agency/outMain.cfm
It is the responsibility of the vendor to check LAPAC for addenda.

JOB SITE VERIFIED BY DESIGNATED SOUTHERN UNIVERSITY EMPLOYEE:

_____
SIGNATURE

Return this sheet with bid for information purpose

ADVERTISEMENT
REQUEST FOR BID
BID #50016-10346
SOUTHERN UNUVERSITY AND A&M COLLEGE
BATON ROUGE CAMPUS

JAMES C. ARCHIE ROAD RECONSTRUCTION PROJECT
BWC Project Number: 224026-Ag Center Project
BID OPENING DATE AND TIME: OCTOBER 21, 2025 @ 10:30 AM

Sealed bids will be received by Southern University, Baton Rouge, Louisiana, in the Purchasing Department, 8100 James L. Prestage Drive, PO Box 9543, J. S. Clark Administration Building Annex, South Entrance, First Floor East, Baton Rouge, LA 70813. Bids will be opened and read aloud in a public meeting in the Southern University Purchasing Department.

MAIL, HAND-DELIVER OR ELECTRONIC SUBMITTAL TO PURCHASING DEPARTMENT NO LATER THAN 10:30 AM-ON OCTOBER 21, 2025

Electronic submittal: Use link to submit bid online:
http://www.sus.edu/bidcertification

Bidders are solely responsible for ensuring timely delivery of their bids. The Southern University Purchasing Department is not responsible for any delays caused by bidders' chosen means of delivery. Failure to meet the bid deadline submittal date and time shall result in rejection of bid.

Engineer Firm: Bluewing Civil Consulting, LLC
PO Box 3384
Lafayette, LA 70502
Ph.504-585-1315
Contacts: Alex Guillory, PF & Kim Mitchell, COO
Emails: alex@bluewingcivil.com
kim@bluewingcivil.com

ALL BID SPECIFICATIONS AND ADDENDA CAN BE OBTAINED BY ACCESSING THE LA STATE PROCUREMENT WEBSITE
https://wwwcfprd.doa.louisiana.gov/osp/lapac/pubMain.cfm.
(Search by bid # 50016-10346)
We highly recommend registering your company with Louisiana State Procurement/LAPAC

All times are CTS
Mandatory Pre-Bid Conference & Site Visit: September 30, 2023 @ 10:30 AM
Conference & Site Visit Location: Head House Building (Southern University Campus)
9202 B.A. Little Drive
Baton Rouge, La 70813
Site Visit Location Telephone Number: 225-771-2143 or 225-954-1464

Participants shall be in attendance by 10:30 a.m. and sign sheet provided by the Purchasing Department.

Bidders must visit the site and be familiarized with the local conditions under which the work is to be performed. No additional compensation will be granted because of unusual difficulties, which may be encountered in the execution of any portion of the work.

Inquiries will be accepted until October 7, 2025 by 5:00 p.m. Inquiries shall be submitted to Linda Antoine at linda_antoine@subr.edu

Responses to inquiries will be posted on LAPAC-LA State Procurement website October 10, 2025 by 5:00 PM.

Any person requiring special accommodations should notify the Purchasing Office of the type(s) of accommodation required not less than seven (7) days before the bid opening date. Additional contact is Wilbert Rossett, Southern University Safety Department at wilbert.rossett@sus.edu or 225-771-3101.

5% Security

All bids must be accompanied by bid security equal to **five (5%) percent of the sum of the base bid and all alternates, if applicable** and must be in the form of a certified/official check, cashier's check or bid bond, made payable to Southern University and A & M College. Surety represents that it is listed on the current U.S. Department of the Treasury Financial Management Service list of approved bonding companies and that is listed thereon as approved for amount equal to or greater than the amount for which it obligates itself in this instrument. No bid bond indicating an obligation of less than five percent (5%) by any method is acceptable.

Performance & Payment Bond

Successful Proposer shall be required to furnish a performance (surety) bond. The amount will be determined during contract negotiations for the period the contract is in effect. The Bond should be made payable to Southern University. Any performance bond furnished shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the *Federal Register*, or by a Louisiana domiciled insurance company with at least an A-:VI rating or higher in the latest printing of the A.M. Best's Key Rating Guide or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.

No surety or insurance company shall write a performance bond which is in excess of the amount indicated as approved by the U.S. Department of the Treasury Financial Management Service list or by a Louisiana domiciled insurance company with an A-:VI rating by A.M. Best up to a limit of 10 percent of policyholders' surplus as shown by A.M. Best; companies authorized by this Paragraph who are not on the treasury list shall not write a performance bond when the penalty exceeds 15 percent of its capital and surplus, such capital and surplus being the amount by which the company's assets

exceed its liabilities as reflected by the most recent financial statements filed by the company with the Department of Insurance.

In addition, any performance bond furnished shall be written by a surety or insurance company that is currently licensed or authorized to do business in the State of Louisiana. The bond must be received within twelve (12) working days from the date of notification.

Bidders shall include the following on envelope of choice: company's name, address, Louisiana contractor's license number, bid number, bid opening date and time.

Bids may be withdrawn by written, telegraphic fax notice or email and received at the address or email address designated in the Invitation to Bid prior to the time set for bid opening, as recorded by date stamp at the Purchasing Office. Bids received after closing time will be returned unopened. Evidence of authority to submit the bid shall be required in accordance with R.S. 38:2212(a)(1)(c) and/or R.S. 39:1594(c)(2)(d).

The Southern University System is a participant in the Louisiana for the Small Entrepreneurships Program (the Hudson Initiative) and the Louisiana Initiative for Veterans and Service-Connected Disabled Veterans-Owned Business Small Entrepreneurships. Bidders are encouraged to consider participation. A list of certified vendors and additional information can be obtained from website http://www.ledsmallbiz.com. Potential participants may also register at this website.

Any questions concerning bid documents, please contact Mary Jane Spruel, Assistant Director of Purchasing at (225) 771-2800 or email to maryjane_spruel@subr.edu

No bid may be withdrawn for a period of forty-five (45) days after receipt of bids, except under the provisions of LA. R.S. 38:2214. Bidder is required to comply with provisions and requirements of LA R.S. 38:2212(B)(5).

The University reserves the right to reject all bids and to waive any informalities incidental thereto.

Bids shall be accepted from Contractors who are licensed under LA. R.S. 37:2150-2192 for the classification of 72000000 Building & Construction, 72130000 General Building Construction, 712136000 Commercial or Industrial Construction, 72140000 Heavy Construction; 7214100 Highway and Road Construction Services.

SOUTHERN UNIVERSITY & A&M COLLEGE
AN EQUAL OPPORTUNITY EMPLOYER
Linda A. Antoine, Director of Purchasing

DATES ADVERTISED
9/12/2025, 9/19/2025, 9/26/2025

PROJECT MANUAL

FOR

JAMES C. ARCHIE AVENUE

ROAD RECONSTRUCTION PHASE I

Prepared For

SOUTHERN UNIVERSITY AND A&M COLLEGE

AG RESEARCH AND EXTENSION CENTER

EAST BATON ROUGE PARISH, LA

August 2025

Bluewing Civil Consulting, LLC

Alex Guillory, PE, CFM

Firm License No. EF 5887

STATE OF LOUISIANA
SIMON A. GUILLORY
License No. 37874
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Alex Guillory

Digitally signed by Alex Guillory
Date: 2025.08.15 06:36:58 -05'00'

JAMES C. ARCHIE ROAD RECONSTRUCTION PROJECT
SOUTHERN UNIVERSITY AND A&M COLLEGE
BWC PROJECT NO. 224026

TABLE OF CONTENTS

INSTRUCTIONS TO BIDDERS

A. PROJECT: James C. Archie Avenue Reconstruction Phase I
Project No. 224026

B. FUNDING: This project is funded through Southern University Department of Agriculture. Specification sections within these specifications applicable to the noted funding sources will apply to this project.

C. PROPOSALS: Bidders are referred to Invitation to Bid for particular information and requirements regarding submittals of Bids.

D. DOCUMENTS: All bid specifications and addenda if any, can be obtained by accessing the LA State Procurement Website:
https://wwwcfprd.doa.louisiana.gov/osp/lapac/pubmain.cfm

E. EXAMINATION OF DOCUMENTS AND SITE: Bidders shall carefully examine the Bidding Documents and the construction site to obtain first-hand knowledge of the scope and the conditions of the Work. Each Contractor, Subcontractor, and Sub-subcontractor, by submitting a proposal to perform any portion of the Work, represents and warrants that he has examined the Drawings, Specifications, Project Manual and the site of the Work, and from his own investigation, has satisfied himself as to: the scope, accessibility, nature and location of the Work; the character of the equipment and other facilities needed for the performance of the Work; the character and extent of other work to be performed; the local conditions; labor availability, practices and jurisdictions; other circumstances that may affect the performance of the Work. No additional compensation will be allowed by the Owner for failure of any Contractor, Subcontractor, or Sub-subcontractor to inform themselves as to conditions affecting the Work.

F. INTERPRETATION OF DOCUMENTS: If any person contemplating submitting a bid for the proposed Contract is in doubt as to the meaning of any part of the Drawings, Specifications (Project Manual), or other contract documents, he may submit to the Engineer, not later than seven (7) working days prior to the date set for opening bids, a written request for an interpretation or clarification.

G. SUBSTITUTIONS: Conditions governing the submission of substitutions for specific materials, products, equipment and processes are in the General Conditions. The Consultant must receive requests for substitutions fourteen (14) working days prior to the established bid date in accordance with Acts 832 of the 1985 Regular Session and 484 of the 1995 Regular Session of the State Legislature.

H. ADDENDA: Interpretations, clarifications, additions, deletions, and modifications to the documents during the Bidding period will be issued in the form of an addendum in accordance with Louisiana R.S. 38:2212(O). Any addendum or addenda will become a

part of the Bidding Documents and the Construction Contract Documents, and receipt of them shall be acknowledged in the Bid Form.

I. CONTRACT TIME:

1. Once the Contractor is notified of the acceptance of his bid within the time specified in La. R.S. 38:2212 after the opening of bids, it agrees to execute a contract for the work as described in the contract documents. The Contractor also guarantees completion of this contract within the number of working days shown below and any approved extensions from the date of the "Notice to Proceed."

   Working Days: Eighty (80)

J. DAMAGES: The Contractor agrees that the Owner may retain the sum indicated below from the amount of compensation to be paid him for each day after the above-mentioned completion time, Sundays and Holidays included, that the contract remains incomplete. This amount is agreed upon as the proper measure of the Stipulated or Liquidated Damages, which the Owner will sustain per day by failure of the Contractor to complete the contract at the stipulated time, and is not to be construed, in any sense, as a penalty. The Contractor shall be deemed to be in default by its failure to complete all of the work within the time specified in the contract.

   Liquidated/Stipulated Damages per Diem: Five Hundred Dollars ($500.00) Per Diem

K. PREPARATION OF BIDS: Prices quoted shall include all items of cost, expense, taxes, fees and charges incurred, or arising out of, the performance of the work to be performed under the contract.

L. SUBMISSION OF POST-BID INFORMATION: The Bidder must provide all post-bid documents as required by the Invitation to Bid for this project in addition to any post-bid requirements.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Avenue Reconstruction Phase I BWC No: 224026

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Bluewing Civil Consulting, LLC and dated: August 2025.

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____ .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____ Dollars ($ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars ($ _____)

Alternate No. 2 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars ($ _____)

Alternate No. 3 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars ($_____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

_____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** **A CORPORATE RESOLUTION OF WRITTEN EVIDENCE** of authority of the person signing the bid for the public work as prescribed by La. R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218(A) is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Road Reconstruction Project Phase I BWC No: 224026

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **CLEARING AND GRUBBING**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
201-01-00100	1	LUMP SUM		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **REMOVAL OF CONCRETE DRIVES**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
202-02-06100	16	SQUARE YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **REMOVAL OF FENCE (CHAIN LINK)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
202-02-12020	65	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **REMOVAL OF PIPE (CROSS DRAIN)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
202-02-32100	134	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **REMOVAL OF PIPE (SIDE DRAIN)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
202-02-32120	10	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **GENERAL EXCAVATION (PLAN QUANTITY)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
203-01-00100	1388	CUBIC YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **EMBANKMENT (PLAN QUANTITY)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
203-03-00100	494	CUBIC YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **BORROW (VEHICULAR MEASUREMENT)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
203-07-00100	642	CUBIC YARD		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Road Reconstruction Project Phase I BWC No: 224026

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **TEMPORARY HAY BALES**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
204-02-00100	78	EACH		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **TEMPORARY SEDIMENT CHECK DAMS (HAY)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
204-05-00100	22	EACH		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **TEMPORARY SILT FENCING**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
204-06-00100	1300	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **IN-PLACE CEMENT TREATED BASE COURSE (12" THICK) (9% BY VOLUME)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
303-03-00400	8954	SQUARE YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **AGGREGATE SURFACE COURSE (ADJUSTED VEHICULAR MEASUREMENT)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
401-02-00100	166	CUBIC YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **ASPHALT CONCRETE**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
502-01-00100	1572	TONS		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **MILLING ASPHALT PAVEMENT**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
509-01-00100	8170	SQUARE YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **PAVEMENT PATCHING (6" MINIMUM THICKNESS)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
510-01-00100	12	SQUARE YARD		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Road Reconstruction Project Phase I BWC No: 224026

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **STORM DRAIN PIPE (12" PVC)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
701-03-01000	4	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **STORM DRAIN PIPE (12" RCP)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
701-03-01001	8	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **STORM DRAIN PIPE (15" RCP)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
701-03-01002	195	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **STORM DRAIN PIPE (18" RCP)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
701-03-01022	237	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **SIDE DRAIN PIPE (15" RCP)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
701-05-01022	52	LINEAR FEET		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **CATCH BASINS (CB-01)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
702-03-00100	13	EACH		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **CHAIN LINK FENCE (6-FOOT HEIGHT)(BARBED WIRE TOP)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
705-06-00300	65	LINEAR FOOT		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **FLEXIBLE REVETMENT (GROUT FILLED ARTICULATED BLOCK MAT)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
712-04-00100	37	SQUARE YARD		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Road Reconstruction Project Phase I BWC No: 224026

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **TEMPORARY SIGNS AND BARRICADES**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
713-01-00100	1	LUMP SUM		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **BEDDING MATERIAL**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
726-01-00100	52	CUBIC YARD		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **MOBILIZATION**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
727-01-00100	1	LUMP SUM		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH) (THERMOPLASTIC 90 MIL)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
732-01-01000	87	LINEAR FOOT		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **LOOP DETECTOR**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
736-09-00100	37	LINEAR FOOT		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **PAINTED TRAFFIC STRIPING (SOLID LINE) (4" WIDTH)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
737-01-00100	1.35	MILE		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **PAINTED TRAFFIC STRIPING (BROKEN LINE) (4" WIDTH)**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
737-02-00100	0.67	MILE		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **HYDRO-SEEDING**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
739-01-00100	2.01	ACRE		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: Southern University And A&M College 801 Harding Blvd, Baton Rouge, LA 70807	**BID FOR:** James C. Archie Road Reconstruction Project Phase I BWC No: 224026

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **CONSTRUCTION LAYOUT**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
740-01-00100	1	LUMP SUM		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **SAW CUTTING ASPHALT CONCRETE PAVEMENT**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
NS-500-00340	120	LINEAR FOOT		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **CONSTRUCTION PHOTOGRAPHS AND VIDEOS**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
NS-1200-01000	1	LUMP SUM		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# **STORM WATER POLLUTION PREVENTION PLAN**			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
NS-2000-01000	1	LUMP SUM		

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

GEOTECHNICAL REPORT

APS Engineering and Testing

Geotechnical Engineering Services Report

Southern University Research Roadway Rehabilitation
Southern University
A P S File No: 2409-G061

Presented to:
Bluewing Civil Consulting, LLC
604 St. john Street
Lafayette, LA 70501

Prepared by:
A P S Engineering and Testing, LLC
1645 Nicholson Drive
Baton Rouge, LA 70802

March 12, 2025

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Bluewing Civil Consulting, LLC
604 St. John Street
Lafayette, LA 70501

Attention: Mr. Alex Guillory, P.E.
Owner/Principal

Re: Geotechnical Engineering Report
SU Research Roadway Rehabilitation
Southern University
Baton Rouge, Louisiana

Dear Mr. Guillory:

APS Engineering and Testing, LLC is pleased to submit our Geotechnical Engineering Report for the above referenced project. The report includes the results of field and laboratory testing, recommendations for pavement rehabilitation, pipe bedding and general site preparation as related to soils.

We appreciate the given opportunity to perform this Geotechnical study and look forward to continuing to participate during the construction phases of this project. If you have any questions pertaining to this report, or if we may be of further service, please contact our office.

Respectfully submitted,
APS ENGINEERING AND TESTING, LLC

STATE OF LOUISIANA
SAIRAM EDDANAPUDI
License No. 35129
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

03/12/25

Sairam Eddanapudi, M.E., P.E.
Chief Engineer

Sergio Aviles, P.E., M. ASCE
President

1.0 PROJECT INFORMATION

1.1 Project Authorization

A P S Engineering and Testing has completed a subsurface exploration for the proposed roadway rehabilitation at James C. Archer Avenue on the Southern University (SU) Campus in Baton Rouge, Louisiana. A signed authorization to proceed with the work was received from Mr. Alex Guillory with Bluewing Civil Consulting on October 19, 2024.

1.2 Project Description

The pavement rehabilitation of James C. Archie Avenue starts from the intersection of Scenic Highway and runs east over a length of approximately 6,300 feet, as part of the property of Southern University located in Baton Rouge, Louisiana. This road runs parallel to (south of) Baker Canal over a length of 4,100 feet and swerves southeast for the remaining length of the project. Based on the information provided, average daily traffic includes approximately 42 vehicles per day that include cars, pickup trucks and cattle trailers (1% of total traffic).

2.0 PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement. We understand that SU has a limited budget for this roadway rehabilitation and seeks efficient and durable designs for the improvement. To this end, nine (9) pavement borings were performed along existing James C. Archie Avenue along with one (1) 20-foot boring near a drainage pipe crossing.

The scope of services also included conducting laboratory tests on selected samples recovered from the soil borings. These tests included visual description and classification, moisture content, Atterberg limit tests, unconfined compressive strength tests and percent fines tests. Both field and laboratory testing procedures are briefly discussed in this report.

This report discusses the conditions of the existing subsoil materials at the site, and presents recommendations on the following:

- Site preparation Recommendations;
- General Construction Recommendations;
- Soil Classification according to USCS;
- Rigid and Flexible Pavement Recommendations;
- Pipe Bedding Recommendations; and
- Comments regarding factors that will impact construction and performance of the proposed project.

The scope of geotechnical services did not include an environmental site assessment for determining the presence or absence of wetlands, hazardous or toxic materials in the soil, surface water, groundwater, or air on, below, or around the site. Any statements in this report or on the boring logs regarding odors, colors, and unusual or suspicious items or conditions are strictly for informational purposes.

3.0 SITE LOCATION AND DESCRIPTION

Approximate GPS coordinates of the project site are 30°34'48.90"N 91°12'42.60"W. Existing asphalt pavement is old and deteriorated with potholes and has asphalt patches observed during the field exploration.

4.0 SITE GEOLOGY

The site is situated in an area of Loess deposits (windblown silt). For some distance, east of Mississippi River, the Loess covers an outcrop of Prairie and Intermediate Terrace deposits. This Loess formation is a Pleistocene Age deposit that has weathered in-place and is characteristically described medium stiff to stiff Lean Clay (CL), Fat Clay (CH), and Silty Clay (CL-ML) with sand layering. The soils at the project site typically provide good foundation support, are over-consolidated and normally only marginally compressible. The weathered Loess does tend to be easily erodible, which may partially explain the persistent need for repairs along the Baker Canal, just north of the roadway.

5.0 FIELD EXPLORATION

The field exploration, performed to evaluate the engineering characteristics of the foundation materials, included a reconnaissance visit to the project site by an APS representative, drilling the soil borings and recovering soil samples.

As previously mentioned, a total of 10 soil borings were performed on James C. Archie Avenue. Nine (9) borings were drilled to a depth of four (4) feet each from bottom of existing subgrade material and one (1) boring was drilled to 20 feet within project footprint. These soil borings were located in the field using GPS coordinates and/or using tape measurements. The GPS coordinates are presented in Table 3.0 below. The Boring Location Plan, included in the Appendix, presents the approximate location of each boring.

TABLE 1.0

Boring No.	GPS Coordinates		Depth* (ft.)
B-1	30°34'48.90"N	91°12'42.60"W	4
B-2	30°34'49.93"N	91°12'34.68"W	4
B-3	30°34'50.63"N	91°12'26.79"W	20
B-4	30°34'51.80"N	91°12'18.82"W	4
B-5	30°34'53.13"N	91°12'11.05"W	4
B-6	30°34'54.27"N	91°12'3.99"W	4
B-7	30°34'55.47"N	91°11'56.11"W	4
B-8	30°34'54.32"N	91°11'48.15"W	4
B-9	30°34'53.23"N	91°11'40.41"W	4
B-10	30°34'51.25"N	91°11'32.55"W	4

*Depth measured below the existing pavement

6.0 DRILLING AND SAMPLING PROCEDURES

The borings were drilled with a track-mounted Maruca 2400 drill rig; all pavement borings were drilled using dry auger techniques to the maximum depth of 20-foot. Undisturbed samples were continuously obtained from the ground surface to a depth of ten (10) feet and at five (5) feet centers thereafter until the termination depth. They were obtained using thin-walled tube sampling procedures in general accordance with ASTM D-1587 Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes. These samples were extruded in the field with a hydraulic ram, and were identified according to project number, boring number and depth, wrapped in aluminum foil and placed in plastic bags to preserve the natural moisture condition and transported to the laboratory in special containers to minimize disturbance.

7.0 LABORATORY TESTING PROGRAM

A laboratory testing program was conducted to determine pertinent engineering characteristics of the subsurface materials. This program included visual description and classification and determination of the moisture content (ASTM D2216 Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass) on all soil samples. Selected samples were subjected to:

- ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils;
- ASTM D2166 Standard Test Method for Unconfined Compressive Strength Test on Cohesive Soils;
- ASTM D1140 Standard Test Method for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing; and

- ASTM D407M/407-99 Method of Test for Mechanical Analysis of Soils.
  The results of these tests are found in the Appendix.

8.0 SUBSURFACE CONDITIONS

8.1 Subsurface Materials

B-1, B-2 and B-3 had two to three inches of asphalt followed by six inches of base material containing sand. All remaining borings had no base material.

Generally, below the pavement, stiff to very stiff lean clays (CL) and fat clays (CH) were encountered to the termination depth of four (4) feet.

The pipe crossing boring B-3 has medium stiff to stiff lean clays (CL) to the termination depth with an intermittent layer of very stiff fat clay (CH) from 2 to 4 feet.

The above subsurface descriptions are generalized to highlight the major subsurface materials features and characteristics. The more detailed descriptions presented on the boring logs represent the actual conditions at the boring locations. Variations may occur and should be expected between boring locations. The stratification represents the approximate boundary between subsurface materials and the actual transition may be gradual.

8.2 Groundwater

The groundwater was not encountered in any of our soil borings. It should be noted that the groundwater conditions are likely to change due to topography, permeability, weather, and other soil and terrain properties. Therefore, we recommend that the contractor determine the actual groundwater levels at the site at the time of the construction activities.

9.0 DISCUSSION

Upon review of the existing subsoil conditions and laboratory tests results, we consider that the proposed project is feasible from a geotechnical point of view, provided that the included recommendations are correctly interpreted and applied.

Generally, Lean Clay (CL) materials encountered below the pavement materials should provide good pavement support. A P S recommends to complete drainage improvements prior to commencing the pavement rehabilitation.

Any free-standing water from recent precipitation should be drained away from the pavement. Therefore, construction is recommended during dry weather periods.

10.0 RECOMMENDATIONS

10.1 Site Development Recommendations

10.1.1 Site Preparation

Prior to the rehabilitation of the roadway, the complete earthwork area must be properly cleaned. The cleaning activities shall include the removal of all concrete and/or asphalt, sand, debris and any foreign matter present on the site until a firm subgrade is reached.

10.1.2 Proof Rolling

Upon completion of the stripping activities, the exposed subgrade shall be properly proof rolled in order to prepare the natural terrain to receive the design structural fill and traffic loads. The proof roll consists of compacting the exposed surface with a 20 to 25-ton loaded dump truck. Surface soils that are observed to rut or deflect excessively under the truck load should be undercut and replaced with the proper structural fill. These activities should be performed during a period of dry weather and should be supervised by a Geotechnical Engineer or a representative.

10.1.3 Structural Fill Materials

The structural fill specifications are provided for informational purposes.

- Plasticity Index (PI) < 25
- Liquid Limit: <=40
- Percent Organics < 5%.
- Silt Content >=50 and PI <=10 will not be allowed.

If structural fill is used for this project, it must be approved by the Geotechnical Engineer prior to its use and Section 10.1.4 can be used as fill placement guidelines.

10.1.4 Bedding Material Deposit Construction

After all surface preparation and observation have been completed, the bedding material (drainage pipe areas) placement activities may begin. These activities must be performed in a sequential order where lower elevations must be worked before higher ones. The material shall be deposited in lifts of eight (8) inches of loose material. Each lift shall be compacted and approved by the Geotechnical Engineer or a representative prior to placement of other lifts. The passing criteria shall be a 95% of the maximum dry density as determined by ASTM D-698, *Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3)),* and a moisture content between one (1) below and three (3) above percentages of the optimum moisture content. If water must be added, it should be uniformly applied and thoroughly mixed into the soil

by disking or scarifying. As a guideline, it is recommended that field density tests be performed at a frequency of not less than one test per 100 linear feet.

It is important to maintain the structural fill thickness as uniform as possible. Uneven fill thicknesses under a structure may cause differential soil responses to the applied loads which can produce cracking, settling, or tilting of the structure.

10.2 Pipe Bedding Recommendations

Bedding material shall consist of "clean" sand or pumped sand having less than 10 percent fines passing the No. 200 Sieve. In-place density measurements of well compacted sand should be taken to assure that this degree of compaction is achieved.

If ground water, soft soils and/or unstable conditions are encountered, an evaluation of the conditions shall be performed by the geotechnical engineer on site and proceed accordingly with the recommendations. Bedding material can be placed, compacted and tested as per LADOTD guidelines for bedding material.

TABLE 2.0: Pipe Bedding Recommendations

Pipe Diameter (Inches)	Thickness of Bedding material (Inches)	Minimum required cover (Feet)
< 12"	6	1.0
12" – 36"	12	1.0
>36"	18	2.0

10.3 Temporary Excavation Recommendations

Groundwater was not encountered during our field exploration. However, we recommend the contractor to determine the actual groundwater levels at the site at the time of the construction activities.

The excavation should be designed to resist full hydrostatic uplift. Also, dewatering may be required in order to facilitate construction at these locations, which may likely be accomplished through a series of sumps, pumps, ditches or well point systems. The design and implementation of dewatering systems shall be determined by the contractor. Depending on exact bearing soil conditions at the time of construction, the contractor may consider the placement of a mud mat to provide a dry, stable working surface. We caution that dewatering near the vicinity of existing structures may yield foundation settlements.

In order to facilitate construction, temporary shoring should be designed to accommodate lateral earth pressures and any adjacent surcharge (including construction equipment), and any other related pressures. The contractor shall be fully responsible for designing, constructing, and maintaining cofferdams, consisting of shoring and bracing, as required, to support the sides of excavations to prevent any movement which could in any way reduce the width of the excavation below that is necessary for proper construction, and to protect adjacent structures including Baker Canal, existing utilities, and/or foundation material from disturbance, undermining or other damage.

A P S recommends to conduct vibration monitoring throughout construction to measure and record construction related vibrations and their likely affects to adjacent structures such as Baker Canal.

10.4 Pavement Recommendations

The pavement can be classified as a Local Roadway. As per client, average daily traffic includes 42 vehicles with 1% cattle trailers. The pavement subgrade should be prepared as discussed in Section 10.1. The recommended pavement thicknesses presented below are considered typical and minimum for the assumed parameters at the site. We understand that budgetary considerations sometimes warrant thinner pavement sections than those presented. However, the client, the owner and the project designers should be aware that thinner pavement sections may result in increased maintenance costs and lower than anticipated pavement life. Table 3.0 shows the traffic details.

TABLE 3.0

Average Annual Daily Traffic	42
% Trucks	1.0
% Growth	2.0
Directional Distribution	50%
Design Lane Distribution	100%
Design Life	10 years & 20 years

A CBR of 3.0 and a Modulus of Subgrade Reaction (k) of 90 psi per inch should be assigned to existing well compacted (95% of the maximum dry density as determined by ASTM D-698) and stable subgrade soils. It is also very critical to perform construction activities as quickly as possible to minimize prolonged exposure of subgrade to wet weather conditions. With these, the pavement sections shall consist of the following:

RIGID PAVEMENT

After compacting the subgrade, one layer of geotextile fabric shall be placed followed by 8 inches of well compacted aggregate base course followed by a minimum of 6 inches of Portland Cement Concrete on top, as shown in Table 4.0.

TABLE 4.0

RIGID CONCRETE PAVEMENT		
Pavement Materials	**Minimum Thickness (Inches)**	
	10-Year	**20-Year**
Portland Cement Concrete	6	8
Aggregate Base Course	8	8
Geotextile Fabric on top of Well Compacted Stable Subgrade with CBR = 3.0	One layer of Geotextile Fabric	One layer of Geotextile Fabric

Following are the design parameters for rigid pavement design as per latest AASHTO Method and 2013 LADOTD Pavement Design Guide as shown in Table 5.0:

TABLE 5.0

RIGID PAVEMENT DESIGN PARAMETERS		
Pavement Design Life	10-Year	20-Year
Concrete Elastic Modulus, E_c (10^6 ,psi)	4.00	4.00
Mean Concrete Modulus of Rupture, S_c ,(psi)	600	600
Load Transfer Coefficient, J	3.2	3.2
Rigid ESALs, W_{18}	13,238	27,800
Drainage Coefficient, C_d	0.9	0.9
Modulus of Subgrade Reaction, K (psi/inch)	90	90
Initial Serviceability Index (P_i)	4.50	4.50
Terminal Serviceability Index (P_t)	2.50	2.50
Reliability, R (%)	90	90
Overall Standard Deviation, S_0	0.35	0.35
Subgrade California Bearing Ratio (CBR)	3.0	3.0

Proper finishing of concrete pavement requires the use of appropriate construction joints to reduce cracking. Joints shall be in accordance with City/Parish Standards. Joints should be sealed to reduce the potential for water infiltration into the supporting soils.

These thicknesses should provide better distribution of surface loads to the subgrade without causing deformation of the surface. The aggregate base course should meet the requirements of Sub-Section 1003 of the latest edition of the Louisiana Standard Specifications for Roads and Bridges Manual (LSSRB), and should be compacted to at least 95 percent of maximum dry density near the optimum moisture content in accordance with ASTM D 698*, Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft3 (600 kN-m/m3)).*

Pavement materials may be placed after the subgrade or structural fill has been properly proof rolled or compacted and fine-graded. These activities shall be accomplished following the Louisiana Department of Transportation and Development Standard Specifications for Roads and Bridges Construction guidelines.

Proper finishing of concrete pavement requires the use of appropriate construction joints to reduce cracking. Construction joints shall be designed in accordance with the current Portland Cement Association and the American Concrete Institute guidelines. Joints should be sealed to reduce the potential for water infiltration into the supporting soils. The design of steel reinforcement should be in accordance with current accepted codes.

The base should be compacted to at least 95 percent of the maximum dry density near the optimum moisture content in accordance with ASTM D 698. Water should not be allowed to pond behind curbs and saturate the base. In down grade areas, the base material shall extend through the slope to provide an exit path for any water accumulating under the pavement.

FLEXIBLE PAVEMENT

After compacting the subgrade, one layer of geotextile fabric shall be placed followed by 8 inches of well compacted aggregate base course followed by a minimum of 3 inches of Asphaltic Concrete as shown in Table 6.0.

TABLE 6.0

FLEXIBLE ASPHALT PAVEMENT		
Pavement Materials	**Minimum Thickness (Inches)**	
	10-Year	**20-Year**
Asphaltic Concrete	3	4
Aggregate Base Course	8	8
Geotextile Fabric on top of Well Compacted Stable Subgrade with CBR = 3.0	One layer of Geotextile Fabric	One layer of Geotextile Fabric

Following are the design parameters for flexible pavement design as per latest AASHTO Method and 2013 LADOTD Pavement Design Guide as shown in Table 7.0.

TABLE 7.0

FLEXIBLE ASPHALT PAVEMENT DESIGN PARAMETERS		
Pavement Design Life	10-Year	20-Year
Reliability, R (%)	90	90
Regional Factor (R)	1.30	1.30
Initial Serviceability Index (P_i)	4.50	4.50
Terminal Serviceability Index (P_t)	2.50	2.50
Effective Roadbed Soil Resilient Modulus, M_R (ksi)	4.5	4.5
Standard Deviation	0.35	0.35
Layer Strength Coefficient, Asphaltic Concrete (a_1)	0.44	0.44
Flexible ESALs	13,394	29,395
Drainage Coefficient (m_2)	0.9	0.9
Subgrade California Bearing Ratio (CBR)	3.0	3.0

Asphaltic concrete should meet the requirements of Part V of the latest edition of the LSSRB. The aggregate base should meet the requirements of Sub-Section 1003 of the LSSRB. The base and structural fill should be compacted to at least 95 percent of the maximum dry density near the optimum moisture content in accordance with ASTM D 698.

Water should not be allowed to pond behind curbs and saturate the base. In down grade areas, the base material shall extend through the slope to provide an exit path for any water accumulating under the pavement.

CEMENT STABILIZED BASE COURSE ALTERNATIVE

As an alternative to aggregate base course, soil-cement base course with strength coefficient 0.16 and a thickness of 12 inches is recommended. A minimum of 9% by volume of cement is recommended to use for soil-cement base course. This percentage should be determined during construction phase of the project by performing *cement series* as per DOTD TR 432 Method A.

If fat clay subgrade soils are present, then they should be lime treated prior to mixing with cement to bring the plasticity index to allowable range (between 10 and 25). Minimum 3.0 % lime by volume is recommended to bring Plasticity Index (PI) down within the allowable range. However, percent lime by volume should be determined at the time of construction before cement stabilization.

Prior to mixing, it should be verified that the clay subgrade material is stable and within planned grade tolerances. Also, prior to mixing the cement, all subsurface utilities should be installed so that no subsequent excavation through the constructed base will occur.

The subgrade should be scarified to the depth necessary to retain the cement material. After uniformly spreading the cement at the prescribed rate, it should be mixed into the soil with a minimum of two passes with a rotary stabilizer to achieve pulverization and should be mixed immediately to achieve the required stable section. Water should be added during the passes to achieve uniform moisture within +2% of optimum moisture content.

11.0 CONSTRUCTION CONSIDERATIONS

11.1 Observation and Testing

The preceding recommendations require a close supervision of the Geotechnical Engineer or representative; therefore, it is recommended that APS be retained to provide observation and testing for the complete duration of all earthwork and pavement reconstruction activities for this project. APS cannot accept responsibility for any conditions deviated from those described in this report, nor for the performance of the foundation if not engaged to provide construction observation and testing.

11.2 Moisture Sensitive Soils/Weather Related Concerns

Most of the subsurface materials encountered at this site are expected to be sensitive to disturbances caused by changes in moisture content. During wet weather periods, the increment of the moisture content of the soil may cause a significant reduction of the soil strength and support capabilities. Furthermore, soils that become wet may be slow to dry, thus significantly retarding the progress of grading and compaction activities. For these reasons, it will be advantageous to perform earthwork and foundation construction activities during dry weather.

11.3 Excavations Regulations

In the Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, Subpart P". This document was issued to better ensure the safety of workmen entering trenches or excavations. It is mandated, by this federal regulation, that excavations, whether they be utility trenches, basement excavations or footing excavations, be constructed in accordance with the new OSHA guidelines.

The contractor is solely responsible for designing and constructing stable, temporary excavations and shall shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person", as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety

procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations.

We are providing this information solely as a service to our client. APS does not assume responsibility for construction site safety or the contractor's or other parties' compliance with local, state, and federal safety or other regulations.

12.0 REPORT LIMITATIONS

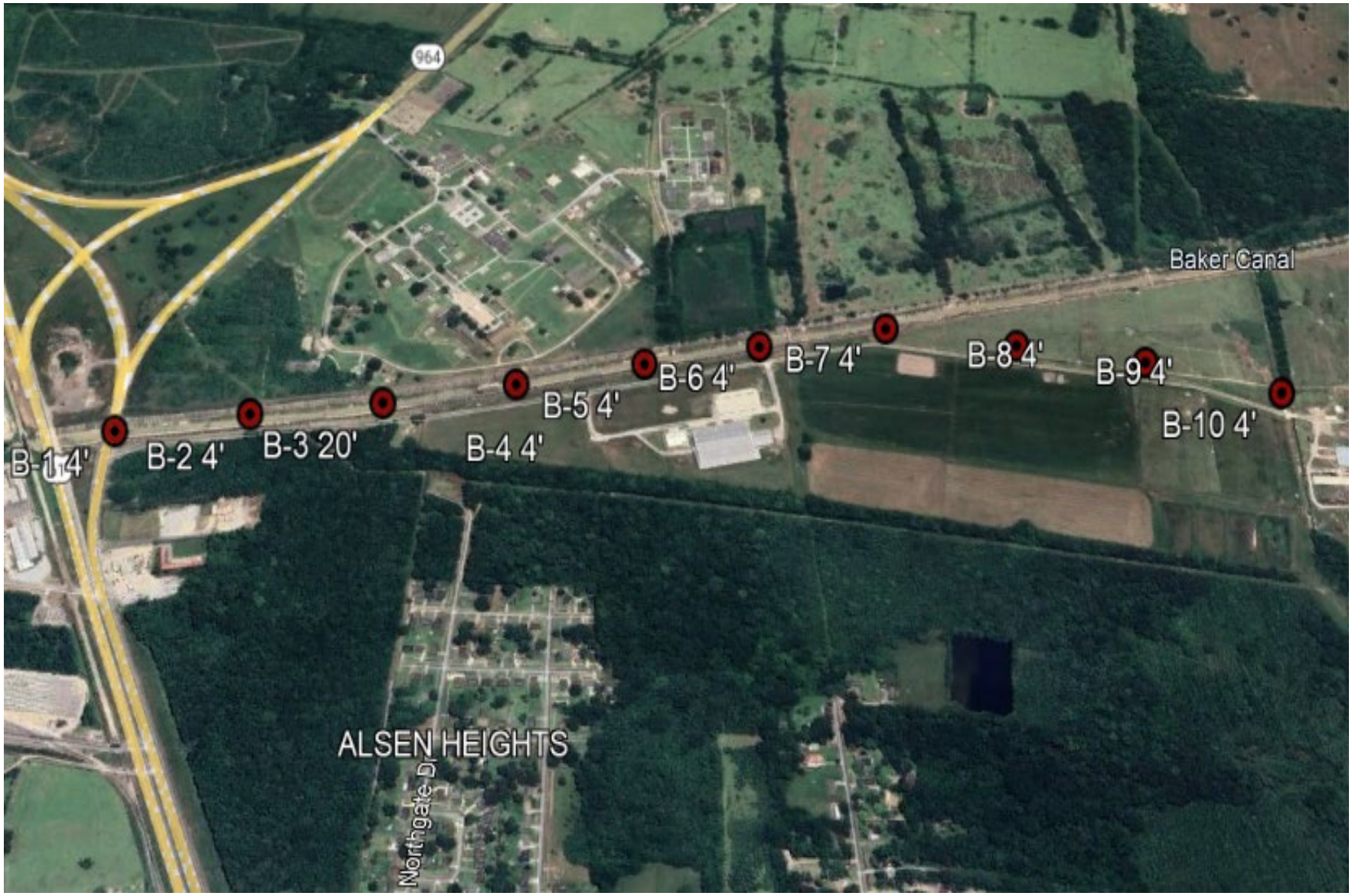
The analyses and recommendations presented in this report are based on the existing field conditions at the time of the investigation. Furthermore, they are based on the assumption that the exploratory borings are a representation of the subsoil conditions throughout the site. Please note that variations in the subsoil conditions may occur between and beyond borings. If variations in those conditions are encountered during construction, APS shall be notified immediately in order to assess the situation, confirm the recommendations included in this report, or modify them according to their own judgment. If APS is not notified of such variations, APS will not be responsible for the impact of those variations on the project.

Furthermore, this report is based on the design considerations presently known to us. Project designers must be aware of this situation to check if any important design parameter has been overlooked or requires additional clarification. If the nature of the project should change, the recommendations given in this report shall be re-evaluated. If APS is not notified of such changes, APS will not be responsible for the impact of those changes on the project.

APS shall be retained for the review of final design drawings and specifications in order to ascertain whether their recommendations have been correctly interpreted and implemented and to confirm or modify them. APS is not responsible for the adequacy of recommendations if they do not inspect the construction. The only warranty regarding our services is that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with the generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

This report has been prepared for the exclusive use of **Bluewing Civil Consulting, LLC** and their design/construction team associated to this specific project.

APPENDIX



APS2409-G061 SU Research Roadway **Baker, Louisiana**	**APS Engineering and Testing, LLC** ***Geotechnical, Environmental, & Construction Materials Testing***	**Figure 1** **Boring Location Plan**

BORING LOG

BORING NO.: B-1
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756541.61 E3319074.83
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
								6 inches of Base Material
		1.15	25	94	32	12		Tan Lean Clay (CL) -Stiff -@ 0-2': -200=99.6%
		3.00	22	105	48	30		-Very Stiff -@ 2-4': -200=98.2%
5								Boring terminated at 4.75 feet. Boring was backfilled with cuttings and patched with Asphalt.
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-2
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756646.42 E3319767.04
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
								6 inches of Base Material
		1.98	21	104	36	18		Tan Lean Clay (CL) -Stiff -@ 0-2': -200=99.6%
		2.03	21	103	46	26		-Very Stiff -@ 2-4': -200=98.2%
5								Boring terminated at 4.75 feet. Boring was backfilled with cuttings and patched with Asphalt.
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-3
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756717.89 E3320456.66
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
								6 inches of Base Material
			16		36	20		Tan Lean Clay (CL)
		2.78	23	102	62	42		Very Stiff Tan Fat Clay (CH)
5		1.13	23	101	46	25		Tan Lean Clay (CL) -Stiff
		0.85	26	98	45	27		-Medium Stiff
		2.29	19	111	45	29		-Very Stiff
10								
		1.55	20	108	48	31		-Stiff
15								
		1.76	20	107	36	19		-Stiff
20								
								Boring terminated at 20.75 feet. Boring was backfilled with cuttings and patched with Asphalt.

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-4
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756836.87 E3321153.21
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								2 inches of Asphalt
		1.96	23	101	40	21		Stiff Tan Lean Clay (CL) -@ 0-2': -200=98.3%
		1.12	24	104	35	14		-@ 2-4': -200=99.4%
								Boring terminated at 4.17 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-5
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756972 E3321832.26
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								2 inches of Asphalt
		1.15	22	104	32	12		Stiff Tan Lean Clay (CL) -@ 0-2': -200=90.3%
		1.61	23	103	41	24		-@ 2-4': -200=92.4%
								Boring terminated at 4.17 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-6
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N757087.89 E3322449.27
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								2 inches of Asphalt
			21	103	30	10		Tan Lean Clay (CL) -@ 0-2': -200=99.0%
		1.96	25	103	44	24		-Stiff -@ 2-4': -200=99.2%
								Boring terminated at 4.17 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-7
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N757209.93 E3323137.94
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								2 inches of Asphalt
		1.32	24	97	32	12		Stiff Gray Lean Clay (CL) -@ 0-2': -200=99.4%
		2.18	27	98	55	33		Very Stiff Gray Fat Clay (CH) -@ 2-4': -200=99.7%
								Boring terminated at 4.17 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-8
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N757094.56 E3323833.88
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
		1.61	26	102	33	11		Stiff Gray Lean Clay (CL) -@ 0-2': -200=98.5%
		1.56	28	96	50	31		Stiff Gray Fat Clay (CH) -@ 2-4': -200=98.7%
								Boring terminated at 4.25 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-9
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756985.25 E3324510.59
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
		1.44	23	102	37	17		Stiff Gray Lean Clay (CL) -@ 0-2': -200=87.1%
		1.64	22	102	49	30		-@ 2-4': -200=92.8%
								Boring terminated at 4.25 feet. Boring was backfilled with cuttings and patched with Asphalt.
5								
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

BORING LOG

BORING NO.: B-10
PROJECT: SU Research Roadway
PROJECT LOCATION : Baker, LA
BORING LOCATION : N756786.05 E3325197.9
DATE DRILLED : 11/25/2024
WATER DEPTH : Not Encountered
GEOL/ENGR : SA

PROJECT NO.: APS2409-G061
METHOD: AUGER
BORING ELEVATION: N/M
DATE COMPLETED: 11/25/2024
WATER LEVEL DATE: 11/25/2024
DRILLER: VG

DEPTH (feet)	SAMPLE	Qu (TSF)	Moisture Content (%)	Dry Unit Weight (PCF)	LL	PI	Symbol	MATERIAL CLASSIFICATION
								3 inches of Asphalt
		2.18	18	109	32	15		Tan Lean Clay (CL) - Very Stiff -@ 0-2': -200=86.9%
		1.13	21	103	33	14		- Stiff -@ 2-4': -200=90.3%
5								Boring terminated at 4.25 feet. Boring was backfilled with cuttings and patched with Asphalt.
10								
15								
20								

COMMENTS:

Rock Core Shelby Tube

APS2409-G061 SU Research Roadway

BORING	LAT/LONG	PAVEMENT		BASE		SUBGRADE	ASTM D 2216 MOISTURE CONTENT	ASTM D 4318 ATTERBERG LIMITS			DOTD TR 407 HYDROMETER TEST			ASTM D 2974 PERCENT ORGANICS (%)	DESCRIPTION
		Type	Depth (In.)	Type	Depth Below Subgrade (feet)	Type	W %	LL	PL	PI	% Sand	% Silt	% Clay		
B-1	30°34'48.90"N 91°12'42.60"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	BM	0.25-0.75	-	-	-	-	-	-	-	-	-	6'' Base Material
		-	-	-	0.75-2.75	A-6 (12)	25	32	20	12	0.4	65.1	34.5	-	Tn Ln Cl
		-	-	-	2.75-4.75	A-7-6 (32)	22	48	18	30	1.8	57.5	40.7	-	Tn Ln Cl
B-2	30°34'49.93"N 91°12'34.68"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	BM	0.25-0.75	-	-	-	-	-	-	-	-	-	6'' Base Material
		-	-	-	0.75-2.75	A-6 (18)	21	36	18	18	3.0	66.7	30.3	-	Tn Ln Cl
		-	-	-	2.75-4.75	A-7-6 (28)	21	46	20	26	1.5	64.2	34.3	-	Tn Ln Cl
B-3	30°34'50.63"N 91°12'26.79"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	BM	0.25-0.75	-	-	-	-	-	-	-	-	-	6'' Base Material
		-	-	-	0.75-2.75	A-6 (17)	16	36	16	20	-	-	-	-	Tn Ln Cl
		-	-	-	2.75-4.75	A-7-6 (44)	23	62	20	42	-	-	-	-	Tn Ft Cl
		-	-	-	4.75-6.75	A-7-6 (24)	23	46	21	25	-	-	-	-	Tn Ln Cl
		-	-	-	6.75-8.75	A-7-6 (25)	26	45	18	27	-	-	-	-	Tn Ln Cl
		-	-	-	8.75-13.75	A-7-6 (27)	19	45	16	29	-	-	-	-	Tn Ln Cl
					13.75-18.75	A-7-6 (29)	20	48	17	31	-	-	-	-	Tn Ln Cl
		-	-	-	18.75-20.75	A-6 (17)	20	36	17	19	-	-	-	-	Tn Ln Cl
B-4	30°34'51.80"N 91°12'18.82"W	AP	2	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.17-2.17	A-6 (22)	23	40	19	21	1.7	64.7	33.6	-	Tn Ln Cl
		-	-	-	2.17-4.17	A-6 (15)	24	35	11	14	0.6	79.2	20.2	-	Tn Ln Cl
B-5	30°34'53.13"N 91°12'11.05"W	AP	2	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.17-2.17	A-6 (10)	22	32	20	12	9.7	66.0	24.3	-	Tn Ln Cl
		-	-	-	2.17-4.17	A-7-6 (22)	23	41	17	24	7.6	57.8	34.6	-	Tn Ln Cl
B-6	30°34'54.27"N 91°12'3.99"W	AP	2	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.17-2.17	A-4 (10)	21	30	20	10	1.0	79.4	19.6	-	Tn Ln Cl
		-	-	-	2.17-4.17	A-7-6 (26)	25	44	20	24	0.8	74.9	24.3	-	Tn Ln Cl
B-7	30°34'55.47"N 91°11'56.11"W	AP	2	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.17-2.17	A-6 (12)	24	32	20	12	0.6	77.0	22.4	-	Tn Ln Cl
		-	-	-	2.17-4.17	A-7-6 (37)	27	55	22	33	0.3	55.8	43.9	-	Tn Ln Cl
B-8	30°34'54.32"N 91°11'48.15"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.25-2.25	A-6 (11)	26	33	22	11	1.5	70.7	27.8	-	Tn Ln Cl
		-	-	-	2.25-4.25	A-7-6 (34)	28	50	19	31	1.3	56.9	41.8	-	Tn Ft Cl
B-9	30°34'53.23"N 91°11'40.41"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.25-2.25	A-6 (15)	23	37	20	17	12.9	70.7	16.4	-	Tn Ln Cl
		-	-	-	2.25-4.25	A-7-6 (30)	22	49	19	30	7.2	58.0	34.8	-	Tn Ln Cl
B-10	30°34'51.25"N 91°11'32.55"W	AP	3	-	-	-	-	-	-	-	-	-	-	-	Asphalt Pavement
		-	-	-	0.25-2.25	A-6 (12)	18	32	17	15	13.1	66.2	20.7	-	Tn Ln Cl
		-	-	-	2.25-4.25	A-6 (12)	21	33	19	14	9.7	66.5	23.8	-	Tn Ln Cl

Tn = Tan

Ft = Fat

Ln = Lean

Gr = Gray

BM = Base Material

AP= Asphalt Pavement

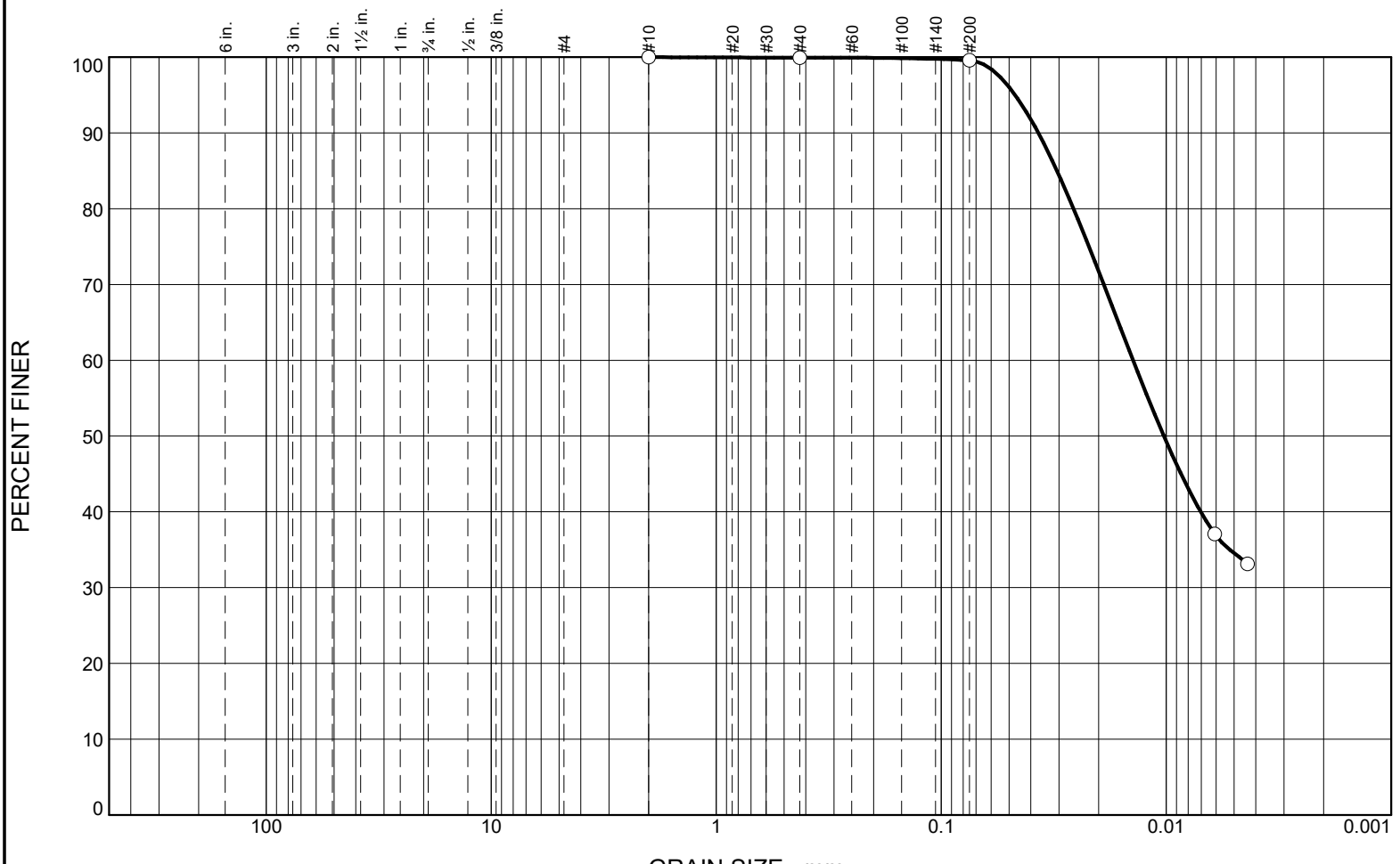
Cl = Clay

Project Location : Baker, LA

APS Engineering and Testing

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	0.3	65.1	34.5

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32	20	0.0307	0.0140	0.0102					

Material Description	Test Date	USCS	NM
○ Stiff, Tannish Gray, Lean Clay (CL)		CL	24.7

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-1 **Depth:** 0-2 **Sample Number:** 1

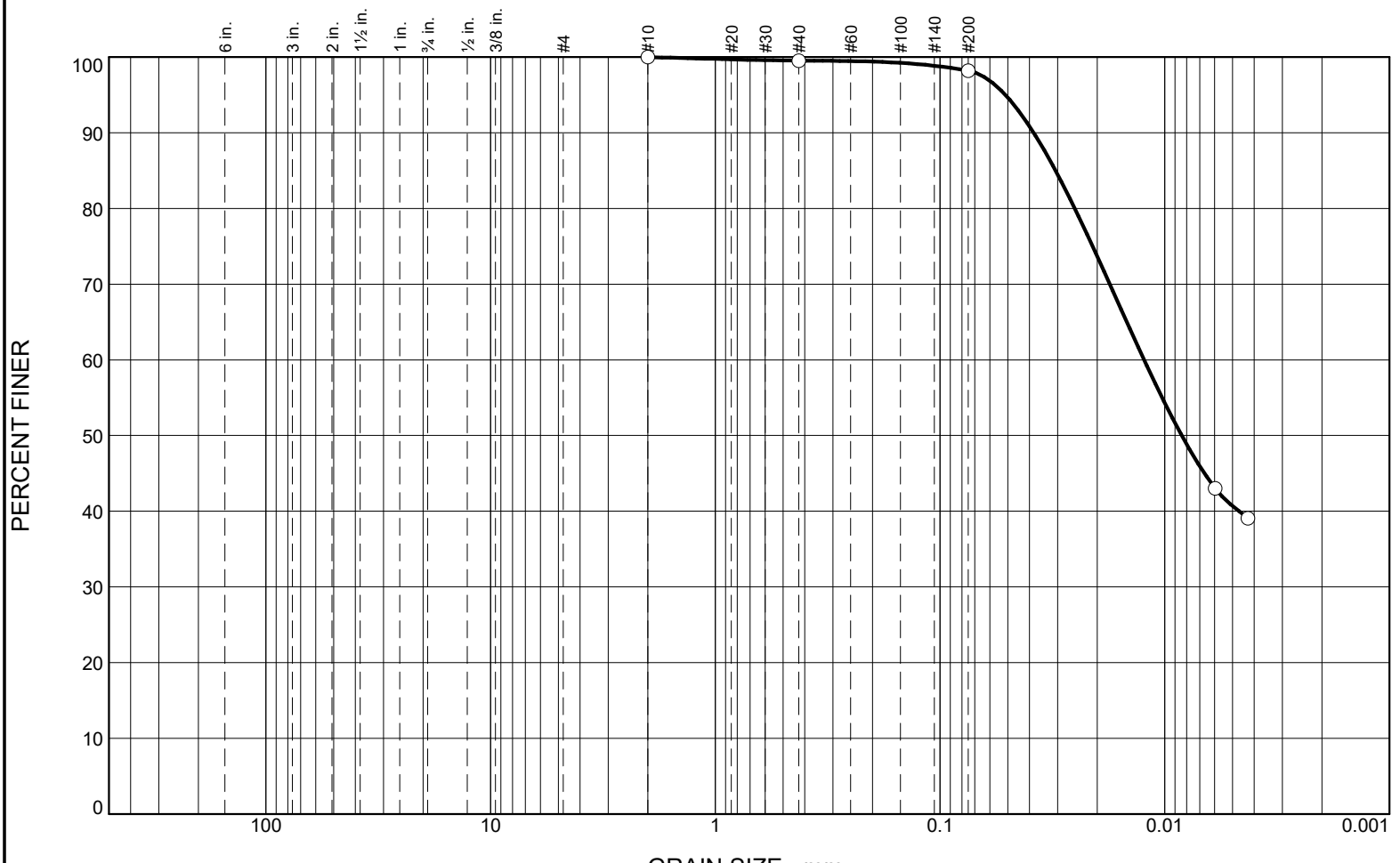
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.5	1.3	57.5	40.7

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_C	C_u
○	48	18	0.0307	0.0124	0.0084					

Material Description	Test Date	USCS	NM
○ Very Stiff, Tannish Gray, Lean Clay (CL)		CL	22.2

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-1 **Depth:** 2-4 **Sample Number:** 2

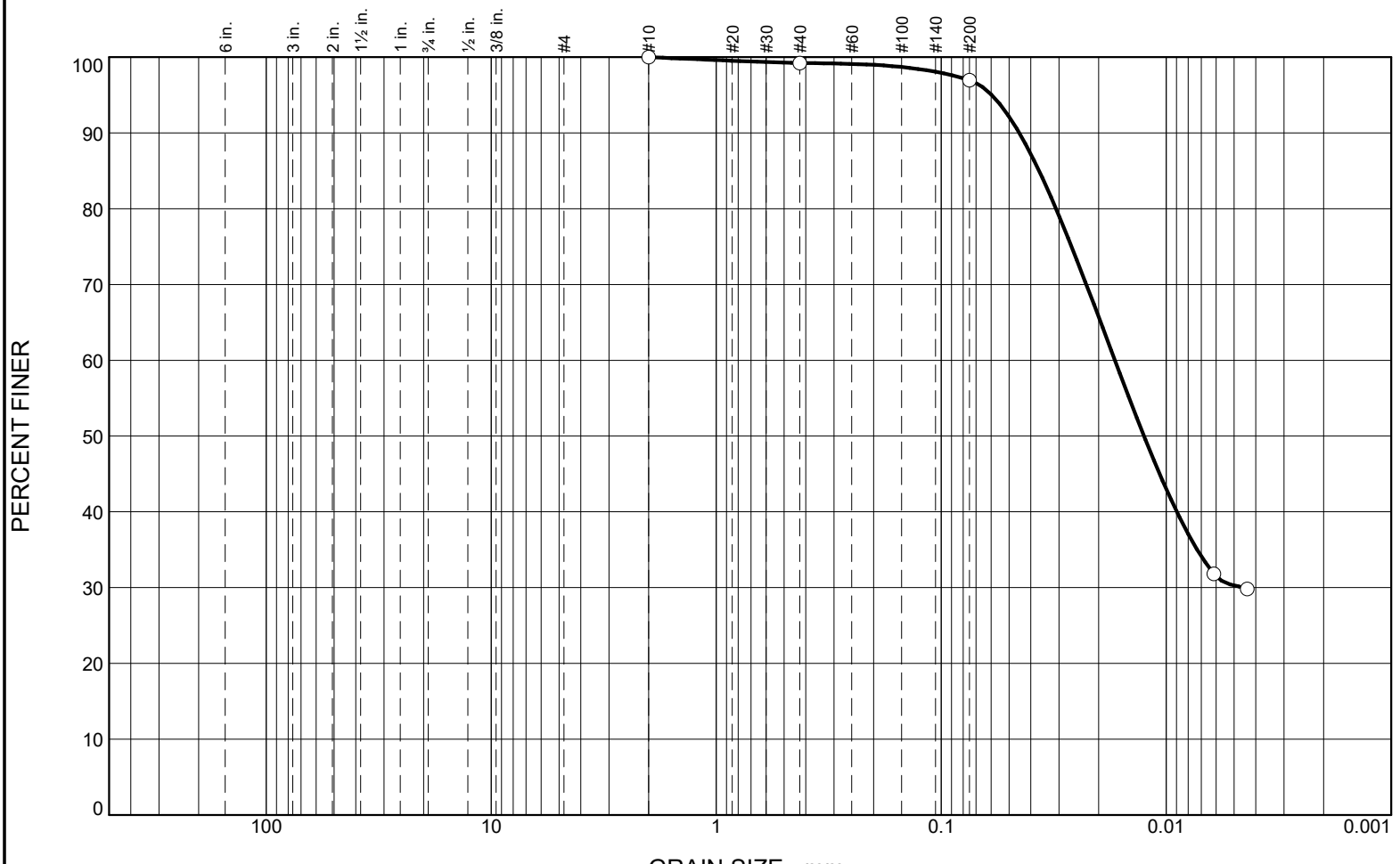
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.8	2.2	66.7	30.3

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	36	18	0.0367	0.0169	0.0126	0.0045				

	Material Description	Test Date	USCS	NM
○	Stiff, Tan, Lean Clay (CL)		CL	20.7

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-2 **Depth:** 0-2 **Sample Number:** 1

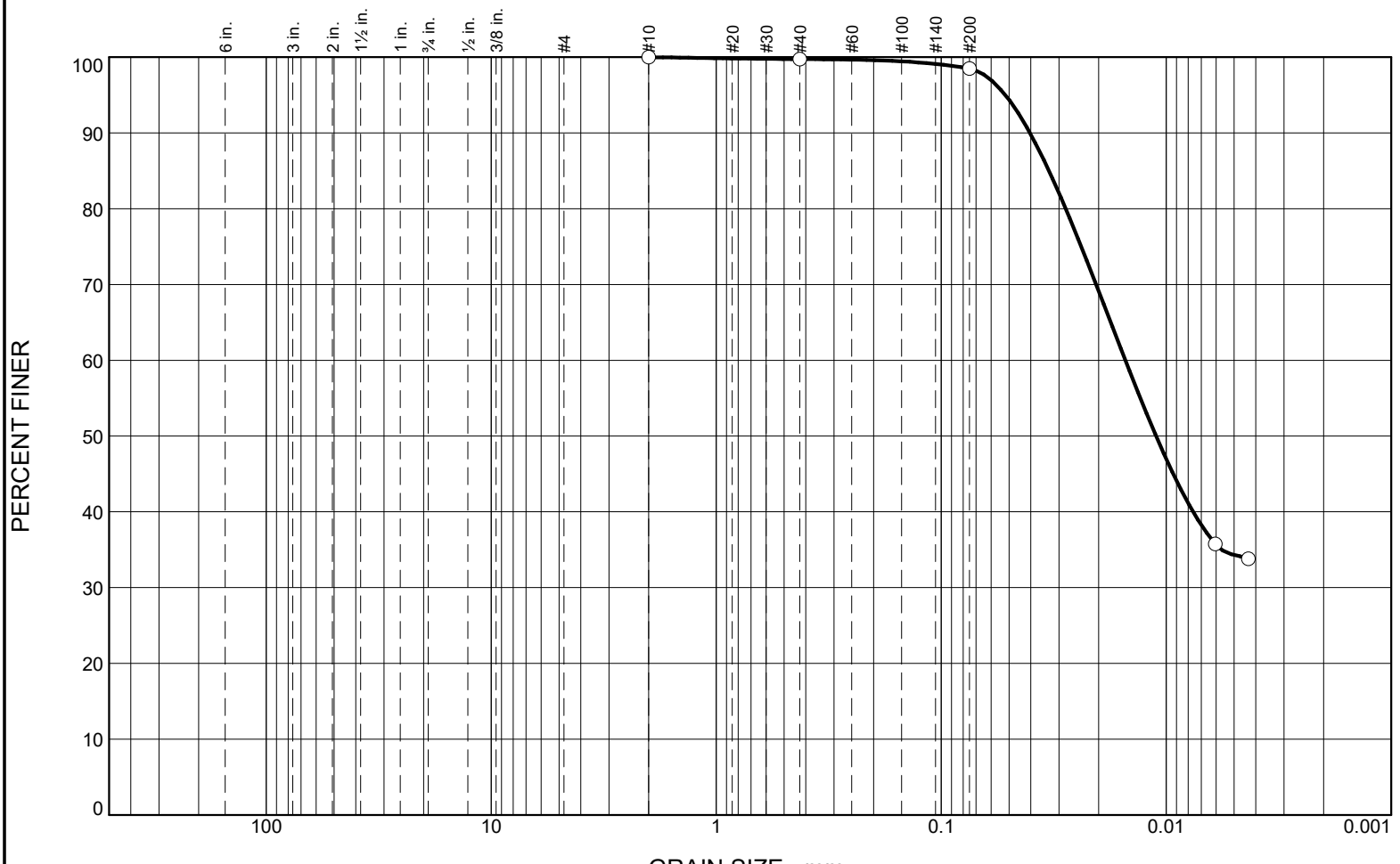
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.3	1.2	64.2	34.3

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	46	20	0.0333	0.0152	0.0111					

Material Description	Test Date	USCS	NM
○ Very Stiff, Tan, Lean Clay (CL)		CL	21.2

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-2 **Depth:** 2-4 **Sample Number:** 2

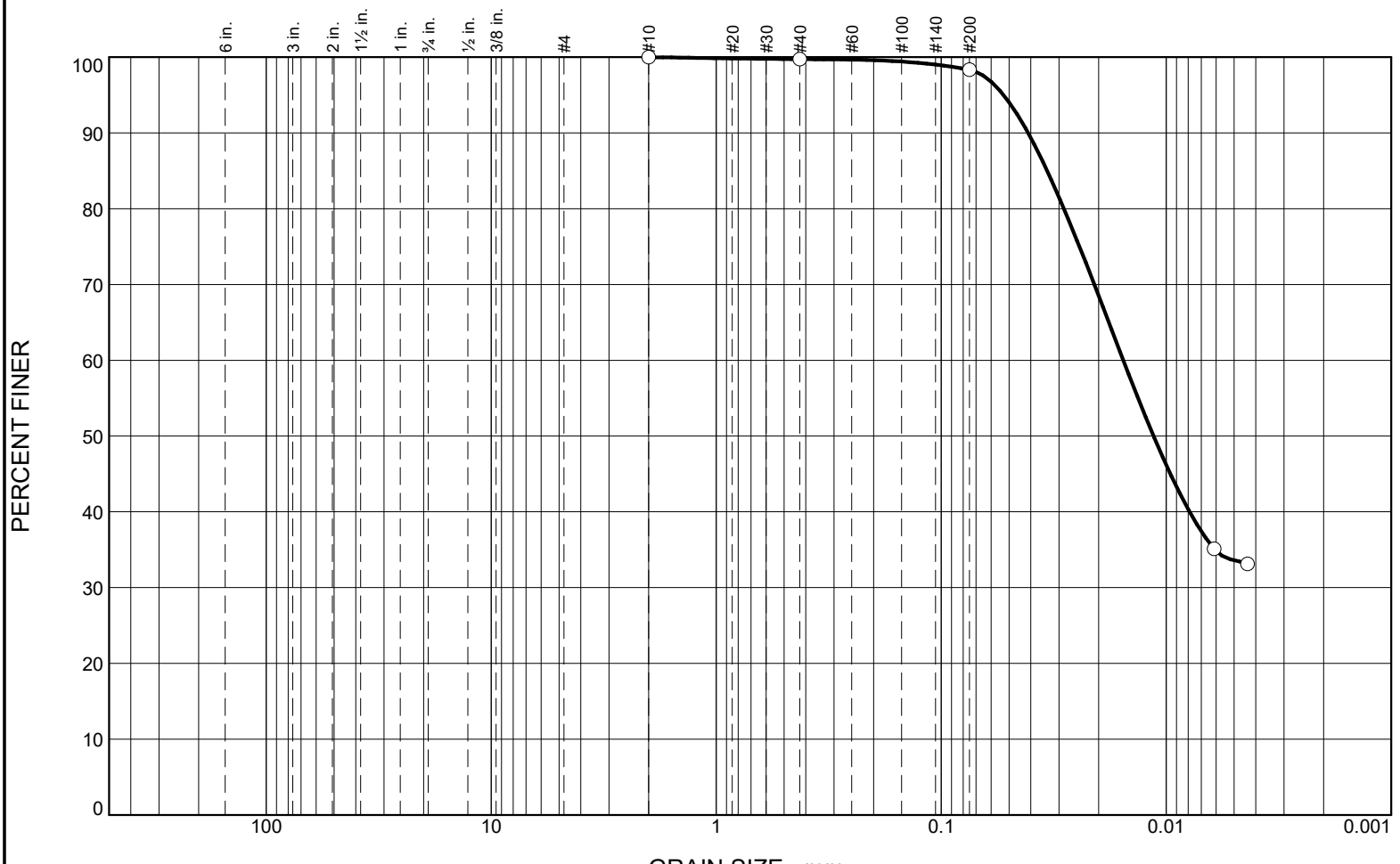
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.3	1.4	64.7	33.6

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	40	19	0.0338	0.0155	0.0114					

Material Description	Test Date	USCS	NM
○ Stiff, Tan, Lean clay (CL)		CL	23.1

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-4 **Depth:** 0-2 **Sample Number:** 1

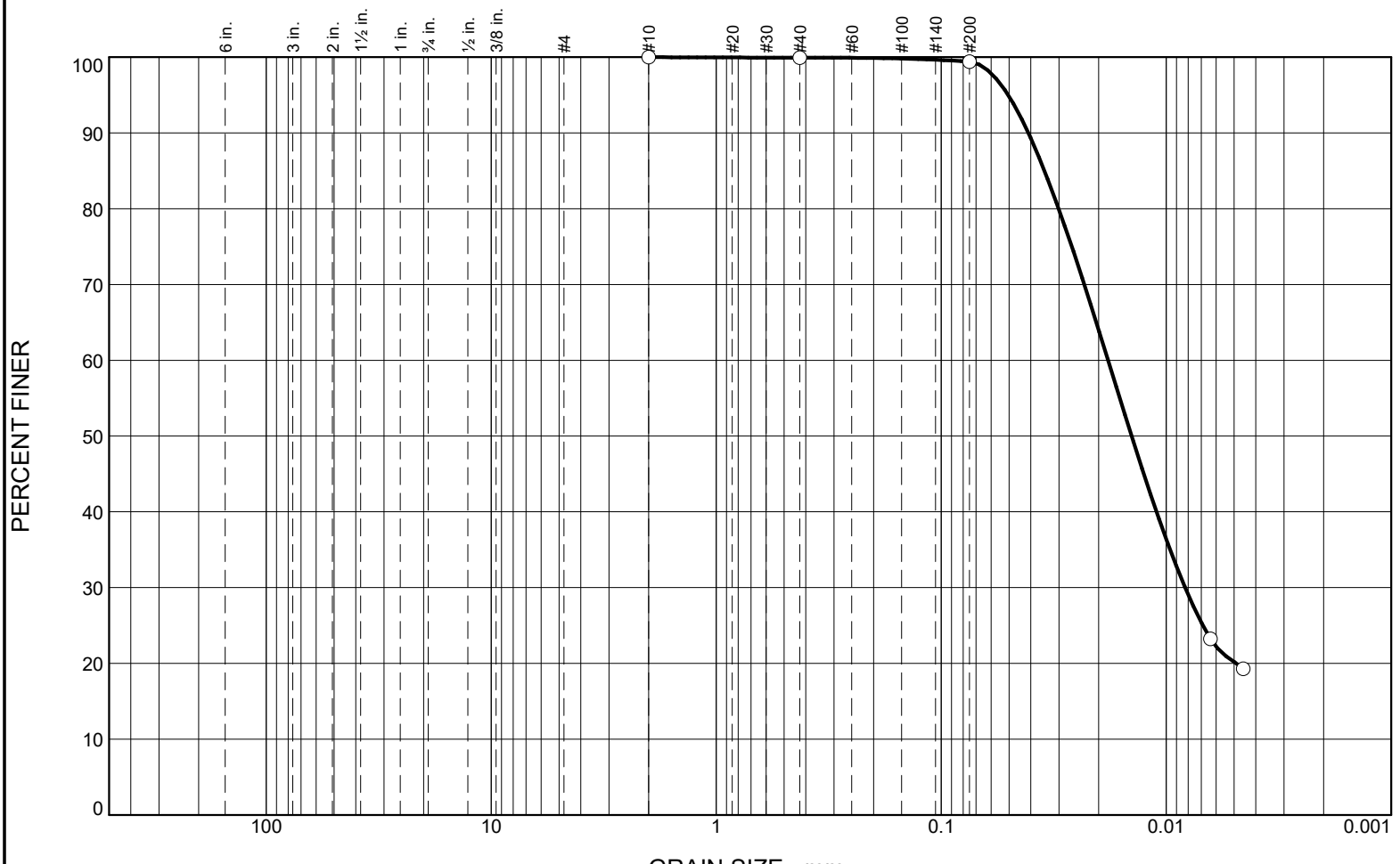
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	0.5	79.2	20.2

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	35	21	0.0348	0.0182	0.0143	0.0082				

	Material Description	Test Date	USCS	NM
○	Stiff, Tan, Lean clay (CL)		CL	23.8

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-4 **Depth:** 2-4 **Sample Number:** 2

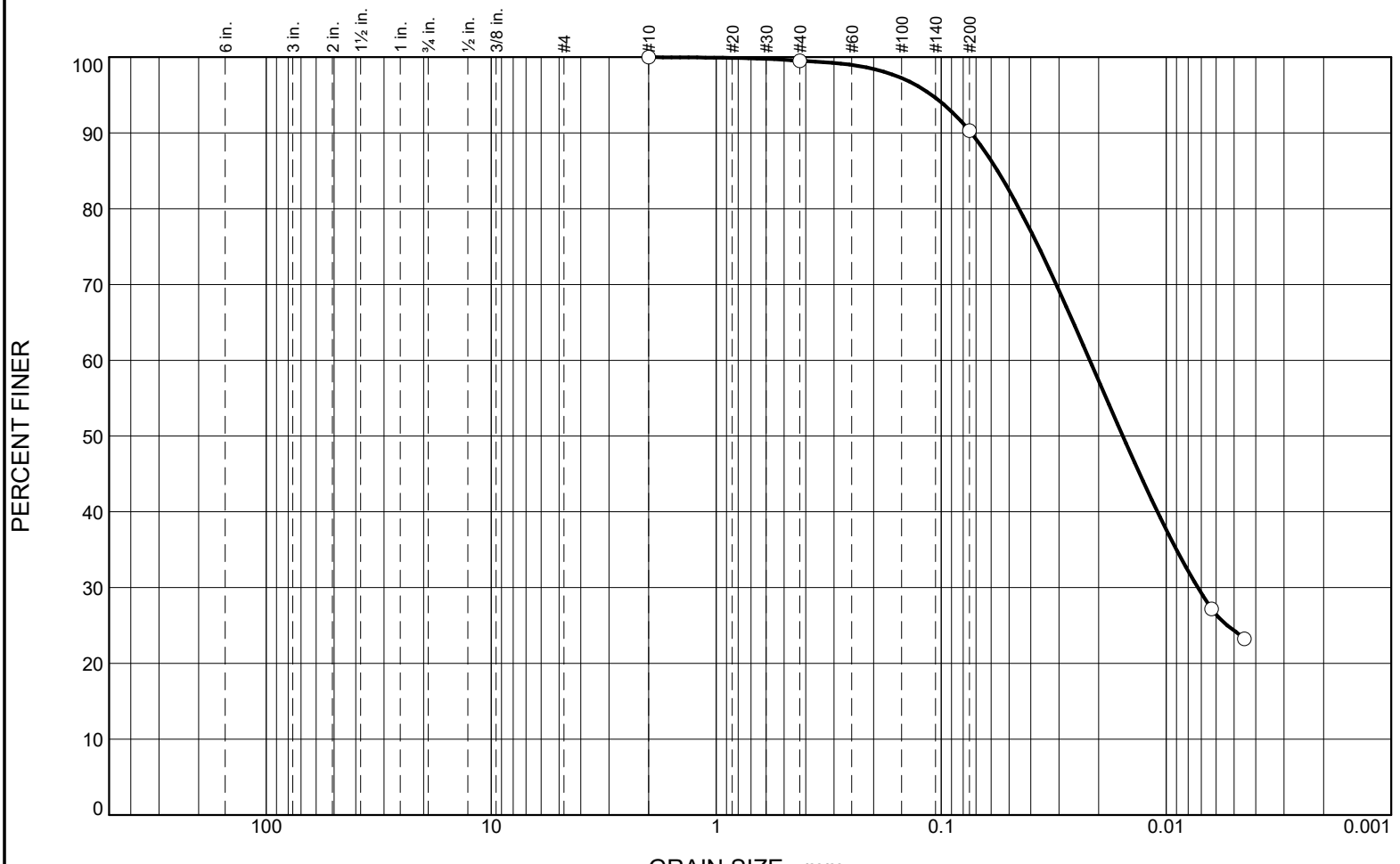
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.5	9.2	66.0	24.3

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32	20	0.0561	0.0219	0.0156	0.0072				

	Material Description	Test Date	USCS	NM
○	Stiff, Tan, Lean Clay (CL)		CL	21.6

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-5 **Depth:** 0-2 **Sample Number:** 1

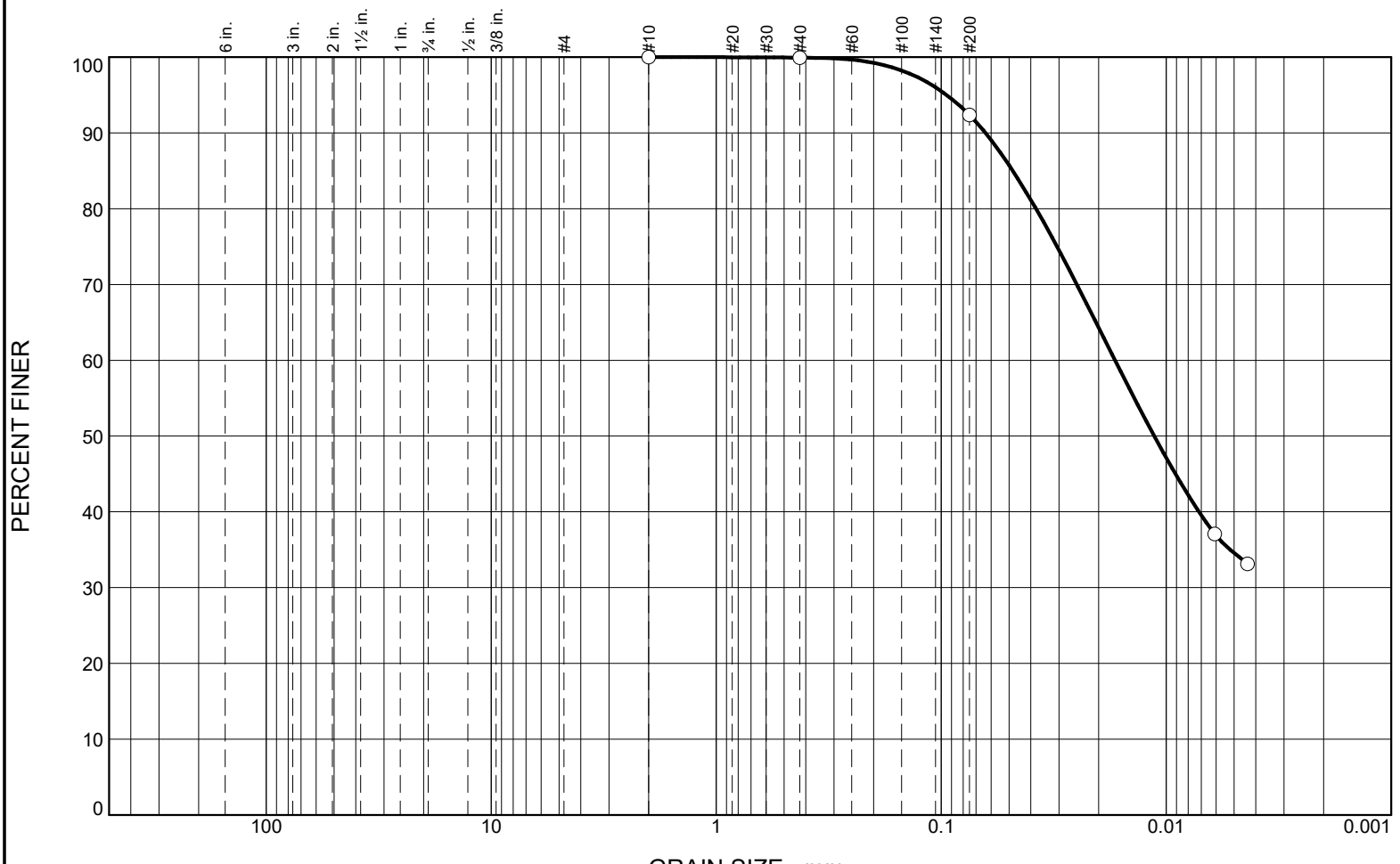
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	7.5	57.8	34.6

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	41	17	0.0481	0.0169	0.0113					

Material Description	Test Date	USCS	NM
○ Stiff, Tan, Lean clay (CL)		CL	22.6

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-5 **Depth:** 2-4 **Sample Number:** 2

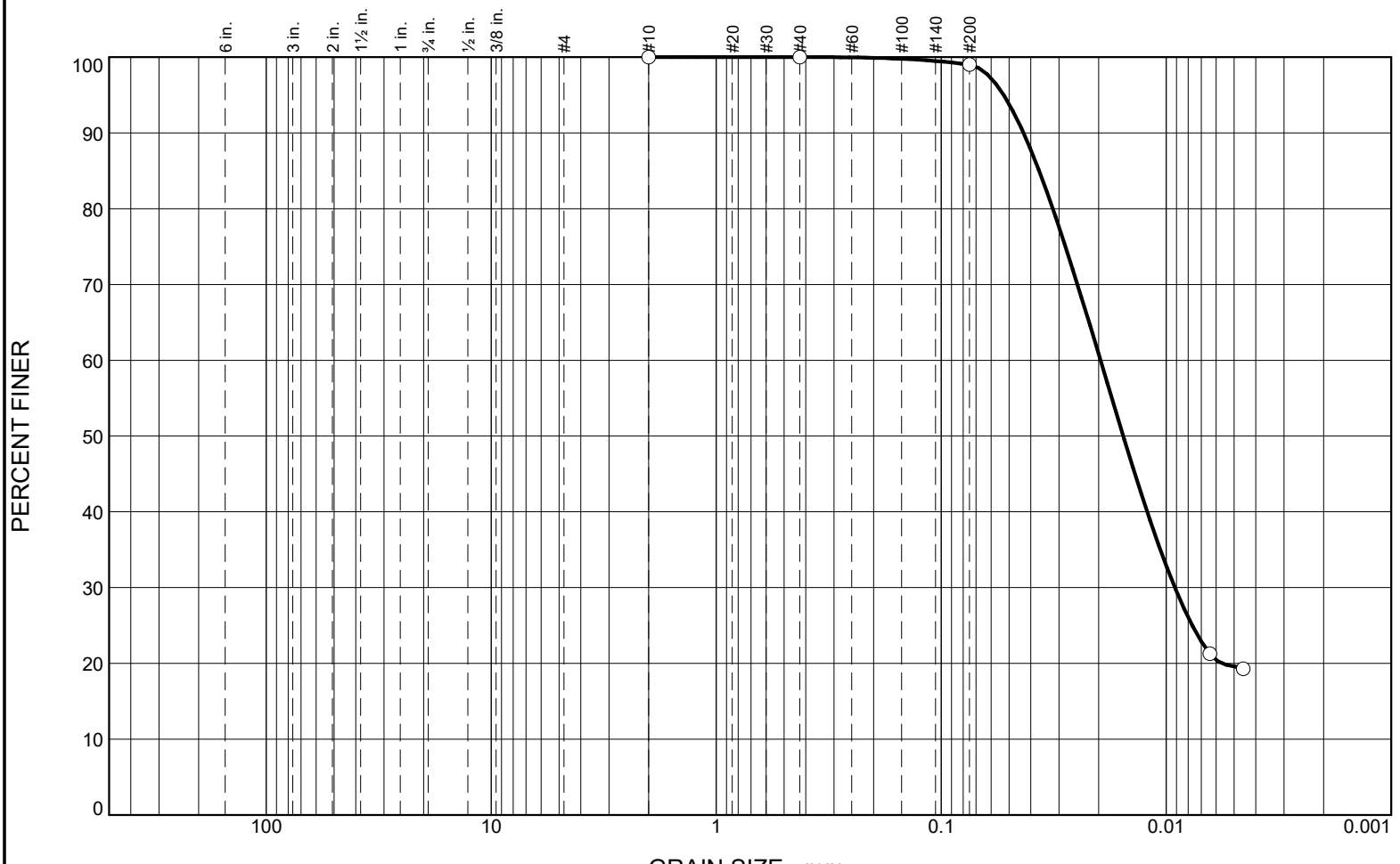
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	1.0	79.4	19.6

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	30	20	0.0367	0.0196	0.0156	0.0092				

Material Description	Test Date	USCS	NM
○ Tan, Lean Clay (CL)		CL	20.6

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-6 **Depth:** 0-2 **Sample Number:** 1

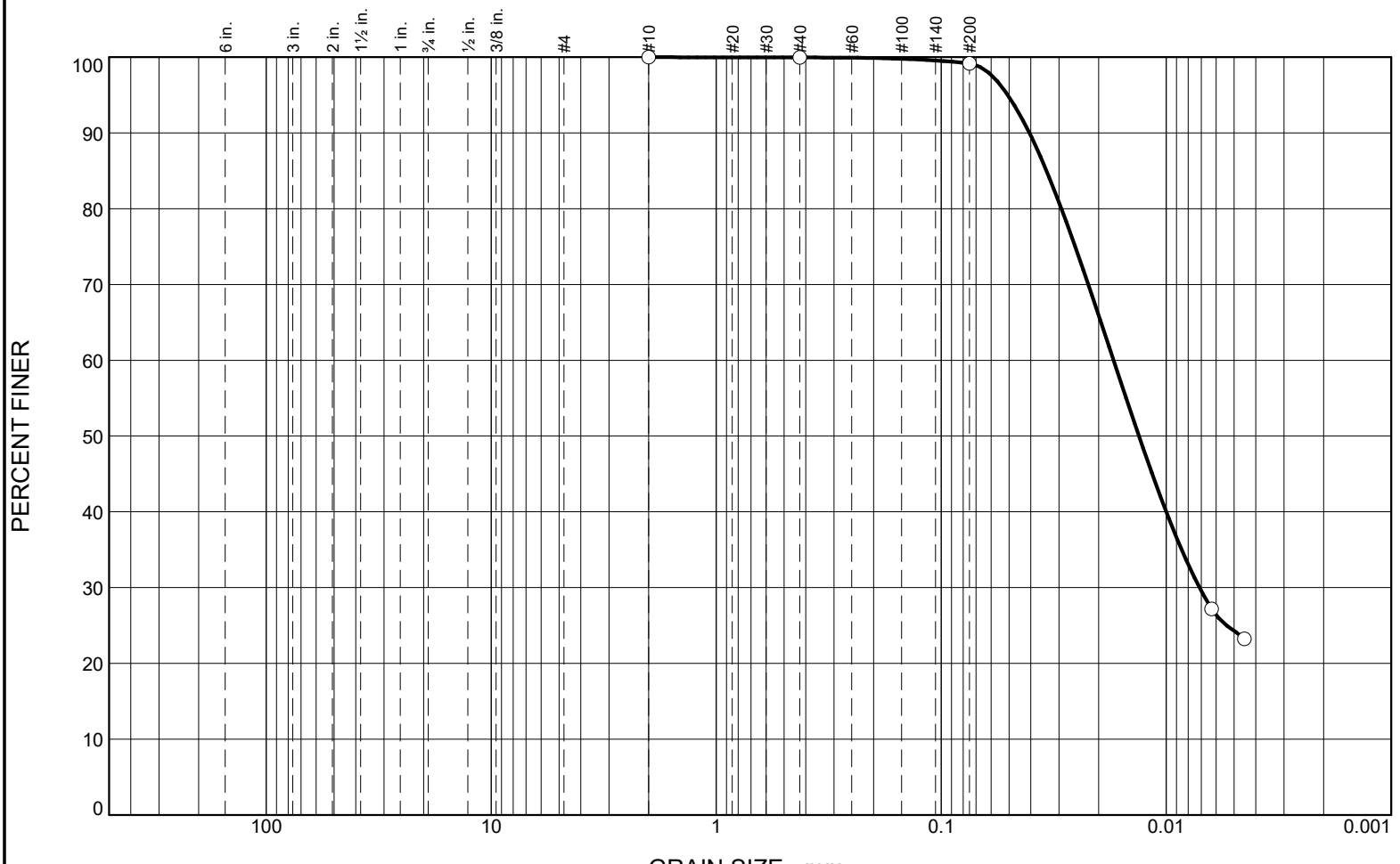
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.8	74.9	24.3

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	44	20	0.0341	0.0172	0.0132	0.0071				

	Material Description	Test Date	USCS	NM
○	Stiff, Grayish Tan, Lean Clay (CL)		CL	24.5

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-6 **Depth:** 2-4 **Sample Number:** 2

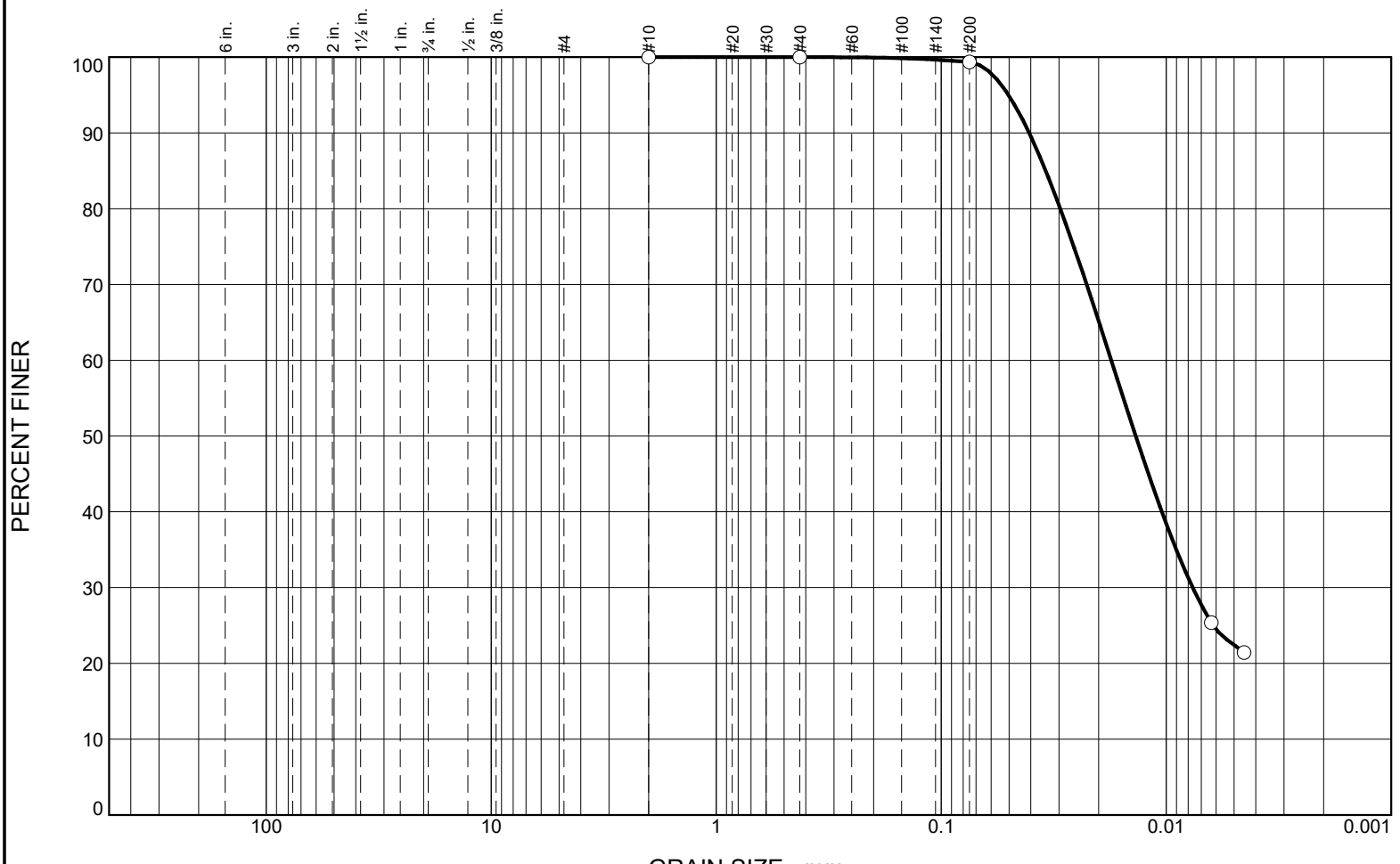
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.6	77.0	22.4

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32	20	0.0343	0.0176	0.0137	0.0076				

	Material Description	Test Date	USCS	NM
○	Stiff, Gray, Lean clay (CL)		CL	24.0

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-7 **Depth:** 0-2 **Sample Number:** 1

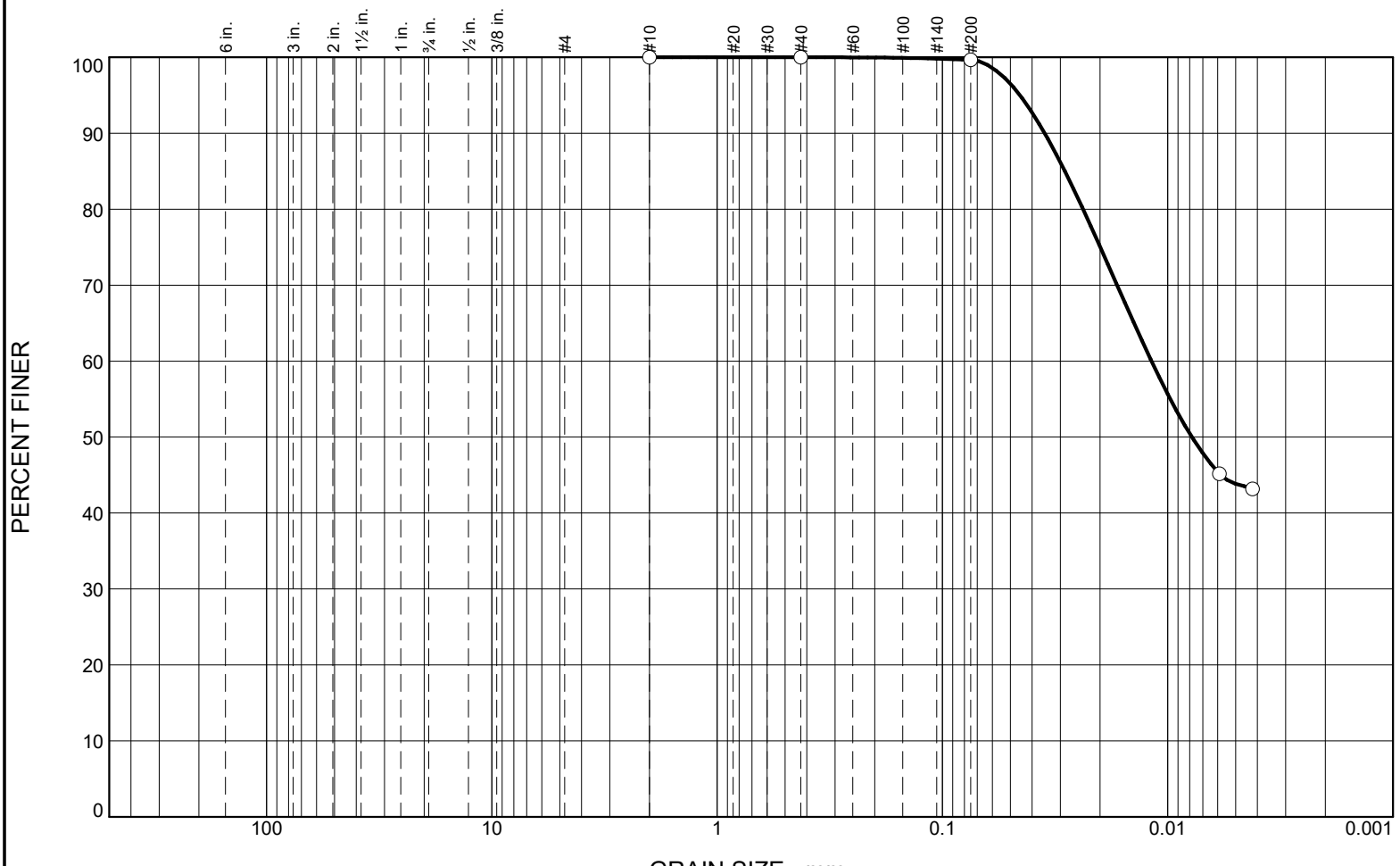
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.3	55.8	43.9

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	55	22	0.0286	0.0118	0.0078					

	Material Description	Test Date	USCS	NM
○	Very Stiff, Gray, Fat Clay (CH)		CH	26.9

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-7 **Depth:** 2-4 **Sample Number:** 2

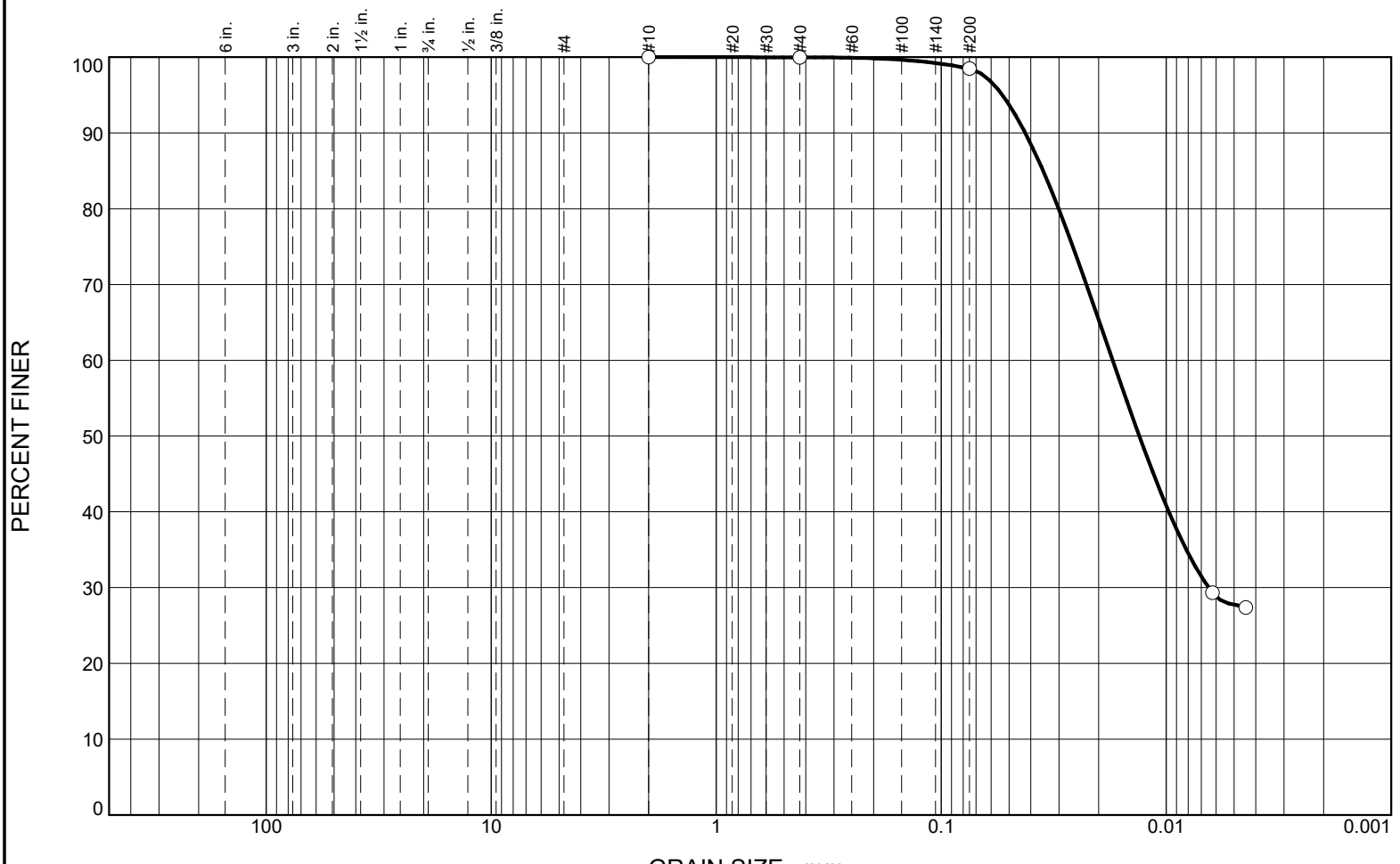
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	1.5	70.7	27.8

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_C	C_u
○	33	22	0.0353	0.0173	0.0132	0.0065				

	Material Description	Test Date	USCS	NM
○	Stiff, Gray, Lean Clay (CL)		CL	25.5

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-8 **Depth:** 0-2 **Sample Number:** 1

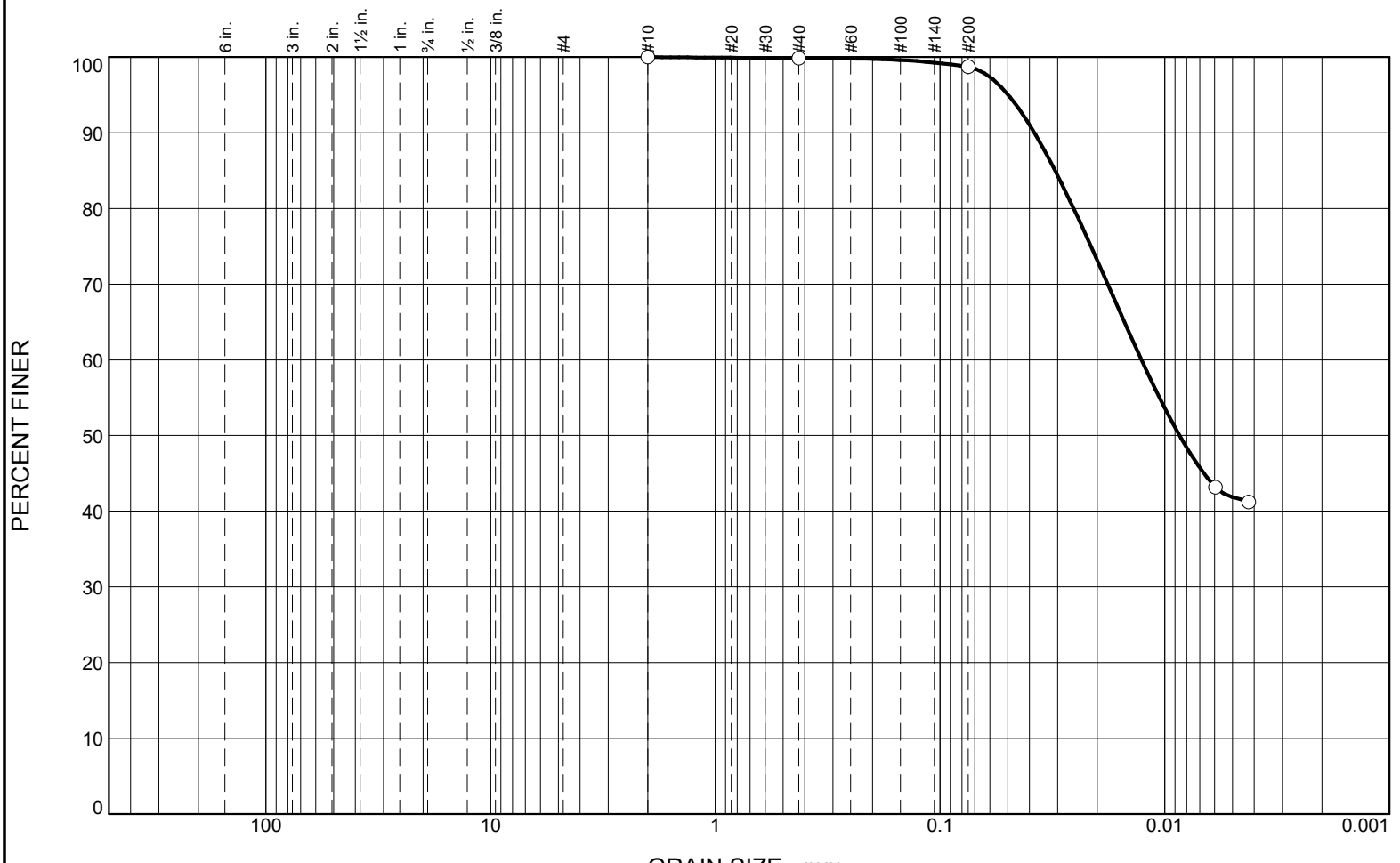
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	1.2	56.9	41.8

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_C	C_u
○	50	19	0.0307	0.0127	0.0086					

	Material Description	Test Date	USCS	NM
○	Stiff, Gray, Fat clay (CH)		CH	27.7

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-8 **Depth:** 2-4 **Sample Number:** 2

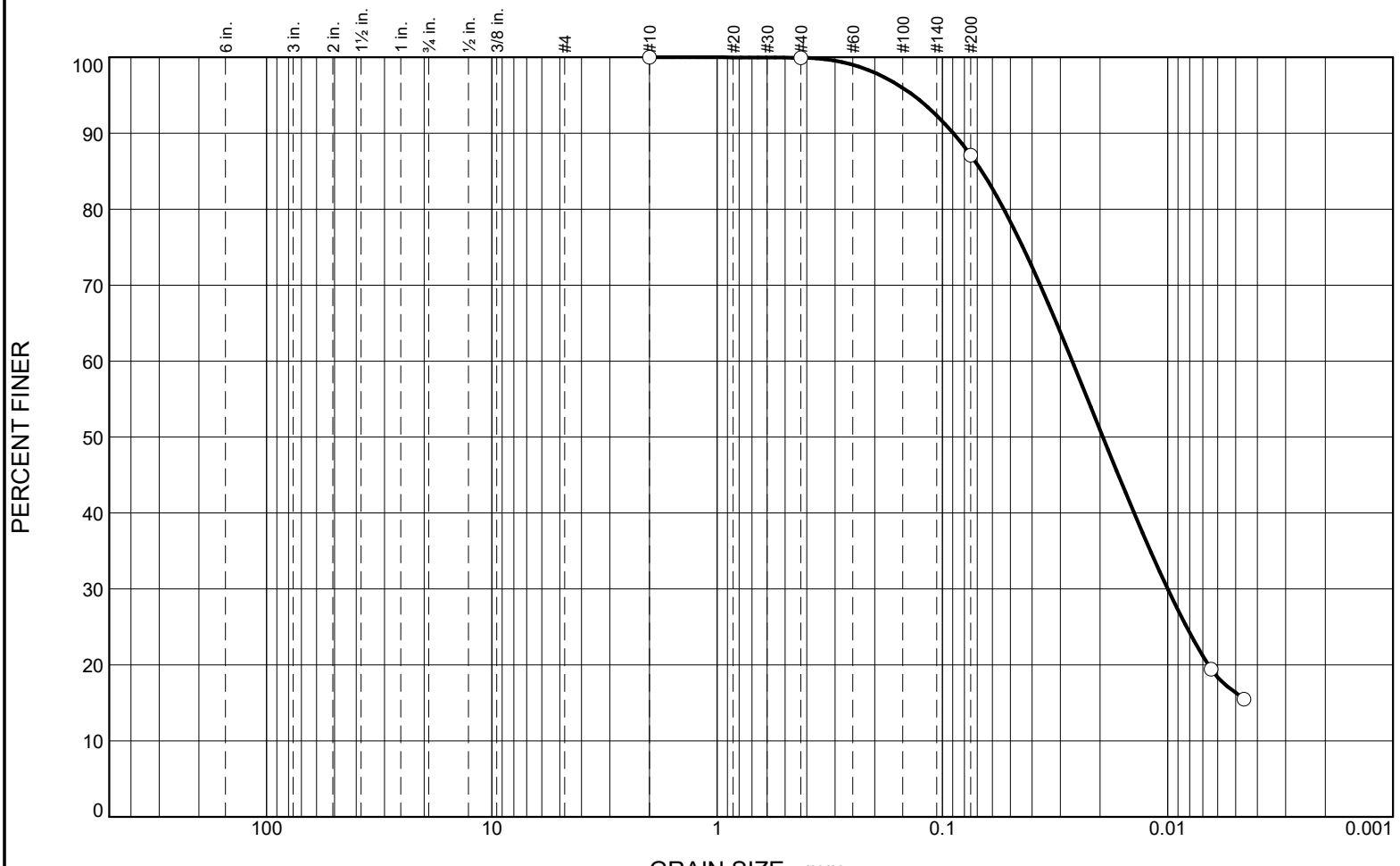
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	12.8	70.7	16.4

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	37	20	0.0670	0.0265	0.0194	0.0100				

	Material Description	Test Date	USCS	NM
○	Stiff, Gray, Lean Clay (CL)		CL	23.0

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-9 **Depth:** 0-2 **Sample Number:** 1

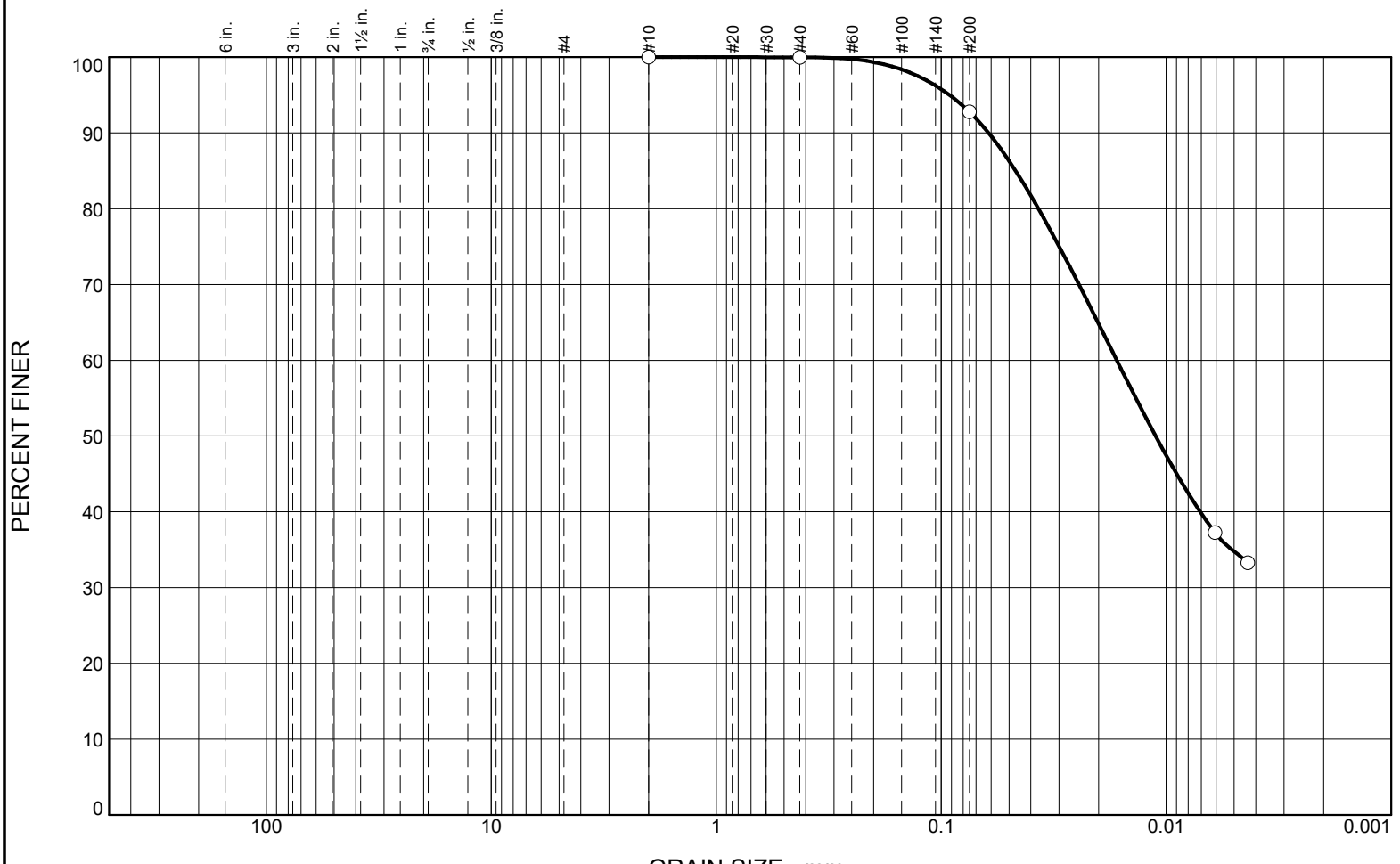
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	7.2	58.0	34.8

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	49	19	0.0467	0.0166	0.0112					

	Material Description	Test Date	USCS	NM
○	Stiff, Tannish Gray, Lean clay (CL)		CL	22.3

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-9 **Depth:** 2-4 **Sample Number:** 2

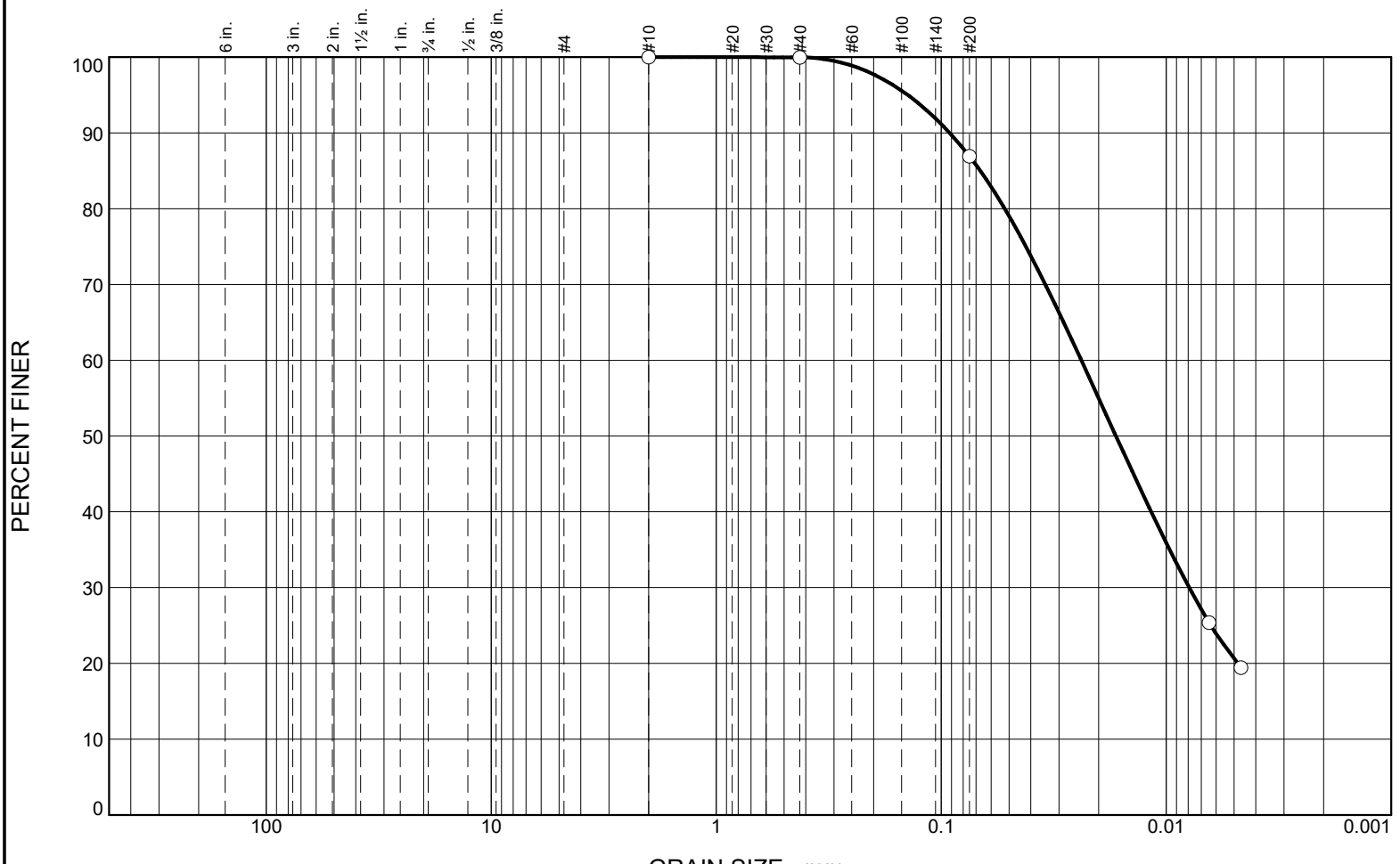
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	13.1	66.2	20.7

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	32	17	0.0671	0.0238	0.0167	0.0079				

Material Description	Test Date	USCS	NM
○ Very Stiff, Tan, Lean clay (CL)		CL	18.2

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-10 **Depth:** 0-2 **Sample Number:** 1

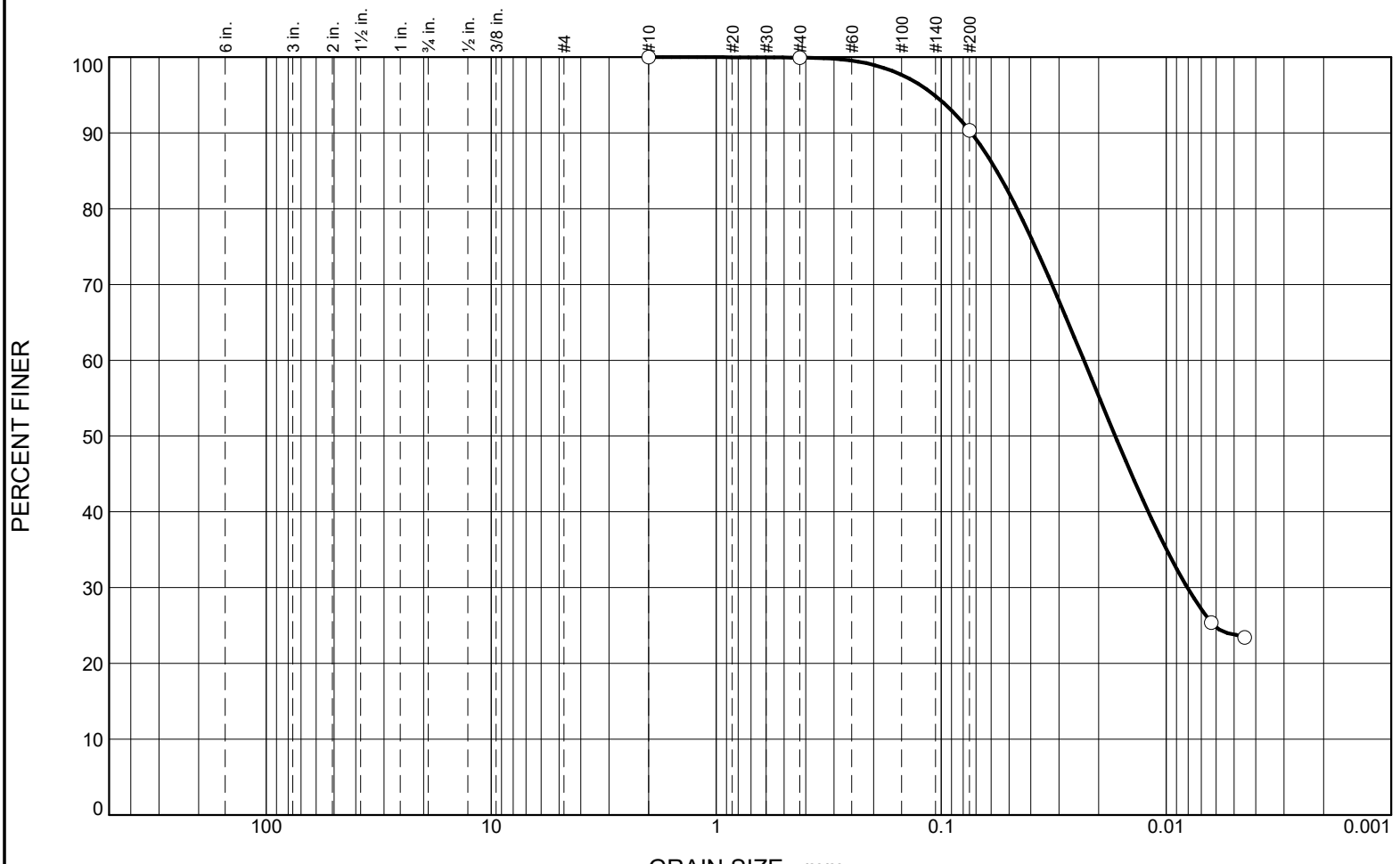
Remarks:

APS Engineering and Testing

Figure

Particle Size Distribution Report

DOTD TR407



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	9.6	66.5	23.8

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○	33	19	0.0567	0.0233	0.0169	0.0081				

	Material Description	Test Date	USCS	NM
○	Stiff, Tan, Lean clay (CL)		CL	20.5

Project No. APS2409-G061 **Client:** Bluewing Civil Consulting, LLC

Project: SU Research Roadway

○ **Source of Sample:** B-10 **Depth:** 2-4 **Sample Number:** 2

Remarks:

APS Engineering and Testing

Figure

DOTD TRAFFIC GENERATOR PERMIT

Joe Donahue
Secretary

Office of the Secretary
PO Box 831 | Baton Rouge, LA 70821-0831
ph: 225-231-4100 | fx: 225-231-4108

Jeff Landry
Governor

May 12, 2025

Dr. Calvin Walker (Southern University Agricultural Research and Extension Center)
14600 Scenic Hwy.
Baton Rouge, LA 70807

TRAFFIC GENERATOR PERMIT CERTIFICATE FORM

PERMIT NUMBER: 61037966 **PERMIT APPLICATION ID:** 61-25-0009-AC

PARISH: East Baton Rouge **PERMIT LOG NUMBER:** 25-041

To Whom It May Concern,

Enclosed is an Access Connection Permit Certificate for the physical property listed above. Please thoroughly read all the terms and conditions of this permit prior to beginning construction. The specified, approved location of the driveway as well as pipe size noted on this permit must be strictly adhered to. Any deviation from the terms of this Access Connection Permit Certificate may result in the revocation of this permit and require the removal of any connection to the state highway system.

All construction work within the State Right-of-Way shall be in accordance to the latest version of the Louisiana Standard Specifications for Roads and Bridges. Sidewalks and/or utilities within DOTD Right-of-Way are to be permitted individually.

The entire completed and stamped permit package *(including this letter)* must be kept on the job site and made available at all times for review or reference upon request by LADOTD officials.

Please contact DOTD Area Engineer prior to any commencement of operations:

1. Pipe Inspection: After pipe has been set with the flow line of the ditch. **DO NOT COVER THE PIPE UNTIL IT HAS BEEN INSPECTED AND APPROVED.**
2. Driveway Inspection: Forms for driveway width, radii, opening at the road, aprons, etc. will be inspected prior to installing hard surface material.
3. Final inspection: When driveway and all other requirements are complete.

Please contact the DOTD District Area Engineer 5 business days in advance to schedule an inspection. Normal hours of operation are 7:00AM - 4:00PM, Monday-Friday. **Hours of operation may be affected during the Holidays.**

DOTD Area Engineers:

Desmond Sam
(225) 231-4116
East Baton Rouge

Jeffery Chatelain
(225) 638-7286
East Feliciana
Pointe Coupee
West Baton Rouge
West Feliciana

Aaron Elisar
(225) 474-2022
Ascension
Assumption
Iberville
St. James

LaDOTD 04.2017

LaDOTD Permit # 61037966 Date Permit Issued: 5/12/2025

Date Permit Entered/Initials: _____ Construction Must Begin By: 5/12/2026

State of Louisiana
Department of Transportation & Development

ACCESS CONNECTION PERMIT CERTIFICATE – TRAFFIC GENERATOR

Property Owner's Name: Dr. Calvin Walker (Southern University Agricultural Research and Extension Center)

Physical (911) Address of Property: 14600 Scenic Hwy

City: Baton Rouge State: LA Zip: 70807

State Highway Adjacent to Property (Hwy. #): US 61 Parish: East Baton Rouge

Property located on the (circle one) N S (E) W *side of the highway* .10 *miles (circle one)* N (S) E W

From (nearest LA/US route # or other major roadway) LA 964

Control Section: 019-02 Log Mile: _____ Latitude: 30.580226° Longitude: -91.211826°

Proposed Use of Property:

- ☐ Multi-Residence Single Family - Number of Homes Proposed
- ☐ Temporary (less than 1 year) – Explain Use
- ☑ Commercial – Total Facility Sq. Ft. _____

Select One: ☐ Retail ☐ Mixed-Use ☐ Medical ☐ Religious ☐ Educational ☐ Public ☑ Agricultural ☐ Utility ☐ Bank

- ☐ Other – Explain _____

Property Frontage along Highway (ft.): 100 Depth of Property (ft.): 9500

Current Highway Surface Material: Asphalt

Approved Driveway Material: Paved Culvert Size: Dia. (in.) Length (ft.) NA

Culvert Material NA

Driveway Width Existing ft. Radius of Driveway Existing ft. (see attached standard)

Hydraulic Review: ☐ Not Required ☑ Required, Approved on 4/17/2025 by Seth Mosley

Traffic Impact Study: ☑ Not Required ☐ Required, Approved on 4/3/2025 by Christopher Ewing

(Attach a copy of the Letter of Compliance)

Traffic Signal Study: ☑ Not Required ☐ Required, Approved on _____ by _____

Signal Permit Issued: ☑ No ☐ Yes, Signal Permit Number: _____

La DOTD Access Connection Detail to Be Used for Construction: EC-01 Notes: _____

Other permits related to this property: _____ _____ _____

Driveway Sharing: ☑ Not Required ☐ Required –Attached signed agreement.

Details: _____

_____

Mitigation Required: ☑ No ☐ Yes –Details: _____

_____

_____

61037966

LaDOTD 04.2017

Construction of Access Connection shall be subject to the following additional restrictions: NOTE: Please see attached Permit Review Form and Permit Approval Form.

Temporary Permit? ☑ No ☐ Yes. Terms: _____

Additional Provisions:

1. All documentation associated with this permit shall remain attached to this Permit Certificate and shall at all times be available for review, when requested, by a representative of the Louisiana Department of Transportation and Development.

2. All signed and stamped plans associated with this permit which are affixed with the LaDOTD Permit # shall remain with this permit and shall at all times be kept on the job site. If requested by a representative of the Louisiana Department of Transportation and Development, the entire plan package shall be produced at the job site for review.

3. The DOTD District Office will handle all necessary public notices regarding temporary traffic control related to work authorized by this permit. The Permittee shall notify the District office a minimum of five (5) working days before construction if the traffic control plan was previously approved or contained in the approved plans or a minimum of ten (10) working days before construction if the traffic control plan must be submitted for lane closures not addressed in the plans.

4. Prior to performing any excavations, the applicant is required to call Louisiana One Call. If installing any underground facilities such as cable or conduits, the applicant must be a member of Louisiana One Call. In addition, the applicant must contact DOTD at 1-800-259-4929 or DOTD-FiberLocates@la.gov at least 24 hours prior to performing any excavation on DOTD Right-of-way (either for installation or maintenance).

All conditions of this permit are subject to the provisions of LAC title 70.

I, the applicant, agree to hold harmless the DOTD and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit, whether or not the same may have been caused by the negligence of the DOTD, its agents, or its employees. I understand that this permit may be modified or rescinded at anytime at the discretion of the DOTD and any costs incurred as a result will be at my expense. I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.

The provisions of this permit are hereby accepted and agreed to this 7 day of May 20 25.

SIGNED Calvin Walker

Owner's Name (printed): CALVIN WALKER

Mailing Address: P.O. Box 10010 / Fisher Hall Rm 109

City: Baton Rouge State: LA Zip: 70813

Home/Work Phone: 225-771-7452 Cell Phone: 337-344-8634

If exercising Power of Attorney:

Name of Authorized Representative: _____

(Attach a copy of Power of Attorney documentation)

APPROVED BY:

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

DocuSigned by: Cedric LaCour

688A7888012F478...

DISTRICT PERMIT SPECIALIST –

Print Name Cedric LaCour Date 5/12/2025 | 7:03 AM

Signed by: Codi Plaisance

8DEFF6CB9FD545B...

DISTRICT ADMINISTRATOR (OR DESIGNEE) –

Print Name Codi Plaisance Date 5/12/2025 | 10:25 AM

PERMIT REVIEW FORM

61037966

DocuSigned by: Seth Mosley B07AC4C6A999464... 4/30/2025 | 7:45 AM CDT

LADOTD District 61
8100 Airline Highway
Baton Rouge, LA 70815

Seth Mosley, P.E. Date

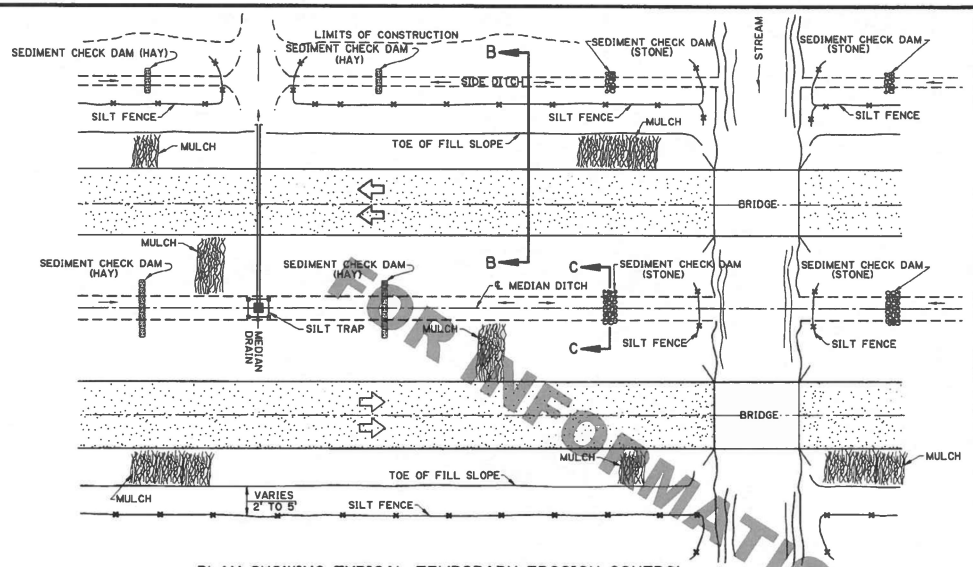
Permit Name:	Dr. Calvin Walker (Southern University Agricultural Research and Extension Center)
Location:	East side of US-61; 0.10 miles south of LA-964 Parish: East Baton Rouge
Drainage Structure:	N/A

- The Area Engineer shall be contacted prior to construction and perform a Final Inspection with the use of a copy of the approved permit provided by the permittee. See contact information below.
- Any lane closure applications shall be submitted at least one week prior to the requested closure date to the Area Engineer.

Desmond Sam	**Jeffery Chatelain**	**Aaron Elisar**
(225) 231-4116	(225) 638-7286	(225) 474-2022
East Baton Rouge	East Feliciana	Ascension
	Pointe Coupee	Assumption
	West Baton Rouge	Iberville
	West Feliciana	St. James

This permit is approved with the following conditions:

1) Temporary erosion control measures as shown in standard plan EC-01 shall be used during construction.
2) All disturbed areas shall be hydro-seeded in accordance with DOTD Specification Section 739 at a minimum to establish grass at the completion of work.
3) All travel lanes must remain clear of debris during construction.
4) Within the State right of way, driveway shall be concrete or asphalt.
5) For concrete driveways, a minimum of a 2’ stub-out shall be constructed.
6) Barrier curb along the driveway is not allowed within State right of way.
7) Existing asphalt shoulder shall be saw cut along the edge of travel lane and removed. The proposed driveway shall be extended to the edge of the travel lane.
8) Materials are not allowed to be stored on State right of way. Equipment that is not in use shall not be parked on State right of way.
9) Post construction, no additional water is allowed to be drained through the driveway to the State highway. Permit applicant shall be responsible for maintaining drainage beyond the State right of way.
10) Application is approved providing that neither the shoulder nor the travel lane hold water during a storm event.
11) Applicant is also responsible for any drainage or flooding problems that occur to adjacent property, the State highway and the State right of way as a result of the site development and with any future development of the property.

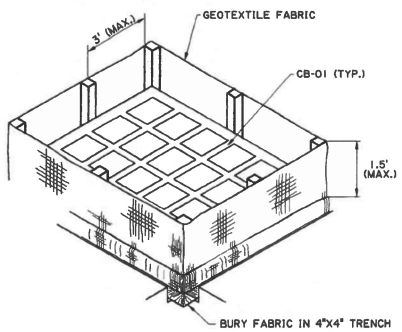


PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES

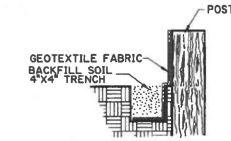
MULCHES ARE THE APPLICATION OF MATS OF MATERIAL PLACED ON THE SOIL SURFACE TO PREVENT EROSION BY PROTECTING THE SOIL SURFACE FROM RAINDROP IMPACT AND TO REDUCE THE VELOCITY OF OVERLAND FLOW. MULCHES CAN BE ORGANIC OR SYNTHETIC. MULCHES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW GUIDELINES FOR THE USE OF MULCHES ARE:

1. USE ON CUT AND EMBANKMENT SLOPES WHICH HAVE NOT BEEN COMPLETED TO PLAN GRADE OR WHERE THE WEATHER OR SOIL CONDITIONS WILL NOT PERMIT COMPLETING THEM WITHIN A REASONABLE TIME
2. USE ON CLEARED, GRUBBED , AND SCALPED AREAS WHERE SOIL EROSION IS LIKELY TO OCCUR
3. USE WITH TEMPORARY SEEDING

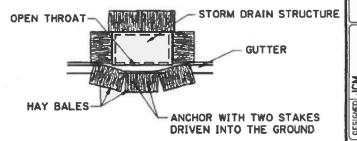


ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

(BACKFILL SOIL NOT SHOWN)



SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC



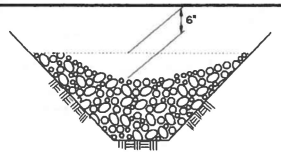
PLAN SHOWING HAY BALES

PAY ITEM: TEMPORARY HAY OR STRAW BALES

TEMPORARY INLET SILT TRAP

THE TEMPORARY DROP INLET SILT TRAP IS TO BE USED FOR SMALL DRAINAGE AREAS (LESS THAN 1 ACRE) WHERE THE STORM DRAIN IS FUNCTIONAL BEFORE THE AREA IS STABILIZED. THE TRAP CAN BE EITHER GEOTEXTILE FABRIC OR HAY BALES.

1. THE GEOTEXTILE FABRIC SHALL CONFORM TO PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS G).
2. WOODEN STAKES SUPPORTING THE FABRIC SHALL BE 2" X 2" OR 2" X 4" WITH A MINIMUM LENGTH OF 3 FEET. THE STAKES SHALL BE SPACED AROUND THE INLET AT A MAXIMUM SPACING OF 3 FEET.
3. THE HEIGHT OF THE FABRIC ABOVE THE INLET SHALL BE LIMITED TO 1.5' AND THE BOTTOM OF THE FABRIC SHALL BE BURIED IN A TRENCH APPROXIMATELY 4" WIDE BY 4" DEEP. THE FABRIC SHALL BE STAPLED TO THE POST WITH ½" STAPLES.
4. THE TRAP SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM. THE SEDIMENT SHOULD BE REMOVED AND EACH STAKE SHOULD BE FIRMLY IN THE GROUND.
5. HAY BALES SHALL BE PLACED SO THAT THE BINDING WIRE OR TWINE IS NOT IN CONTACT WITH THE GROUND.



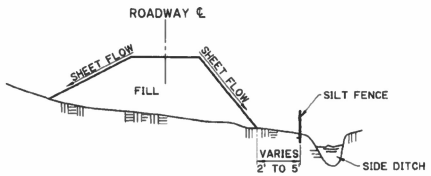
SECTION C-C

TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (STONE)

NOTES:
A STONE CHECK DAM IS A SMALL TEMPORARY DAM CONSTRUCTED ACROSS A SWALE OR DRAINAGE DITCH. THE PURPOSE OF THIS MEASURE IS TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS, THEREBY REDUCING EROSION OF THE SWALE OR DITCH. THE STONE CHECK DAM WILL TRAP SMALL AMOUNTS OF SEDIMENTS GENERATED IN THE DITCH ITSELF, HOWEVER IT SHOULD NOT BE USED AS A SEDIMENT TRAPPING DEVICE. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF STONE CHECK DAMS ARE:

1. USE IN SMALL OPEN CHANNELS WHICH DRAIN 10 ACRES OR LESS
2. DO NOT USE IN A LIVE STREAM
3. USE IN A TEMPORARY DITCH OR SWALE WHICH, BECAUSE OF THEIR SHORT LENGTH OF SERVICE, CANNOT RECEIVE A NON- ERODIBLE LINING
4. USE IN PERMANENT DITCHES OR SWALES WHICH WILL NOT RECEIVE A PERMANENT LINING FOR AN EXTENDED PERIOD OF TIME
5. USE IN TEMPORARY OR PERMANENT DITCHES OR SWALES WHICH NEED PROTECTION DURING THE ESTABLISHMENT OF GRASS LININGS
6. FOR STONE SPECIFICATIONS, SEE PROJECT SPECIFICATIONS FOR RIPRAP, (CLASS 2 LB)

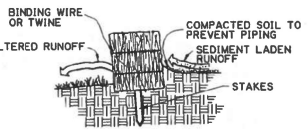


SECTION B-B

TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)

ELEVATION



SECTION A-A

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:
A HAY BALE BARRIER IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A ROW OF ENTRENCHED AND ANCHORED BALES OF STRAW OR HAY. THE HAY BALE BARRIER IS ALSO USED AS A CHECK DAM TO REDUCE THE VELOCITY IN SMALL DITCHES OR SWALES. THE HAY BALES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL.
A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A HAY BALE BARRIER ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE IN MINOR SWALES OR DITCHES WHERE THE MAXIMUM DRAINAGE AREA IS 2 ACRES
3. ONLY USE WHERE THE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS
4. DO NOT USE IN LIVE STREAMS OR IN SWALES OR DITCHES WHERE THERE IS A POSSIBILITY OF A WASHOUT

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED JDM | DETAILED KAJ | CHECKED JDM | DATE 1-14-94 | SHEET 1 OF 2

CHECKED | CHECKED | DATE | SHEET

BY	REVISION DESCRIPTION	DATE
MH	REMOVE SPECIFIC PAY ITEM NOS., GENERAL REVISIONS	10-1-08

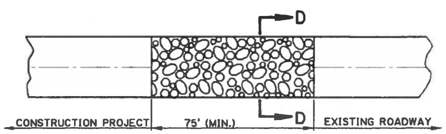
10-1-08 DATE

APPROVED BY CHIEF ENGINEER: William H. Temple

TEMPORARY EROSION CONTROL DETAILS

STANDARD SHEET NO. EC-01

HYDRAULICS SECTION



PLAN

SECTION D-D

TEMPORARY STONE CONSTRUCTION ENTRANCE

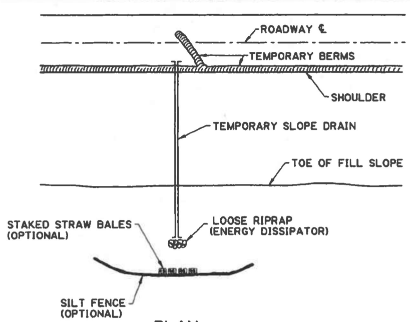
PAY ITEM: TEMPORARY STONE CONSTRUCTION ENTRANCE

NOTES:

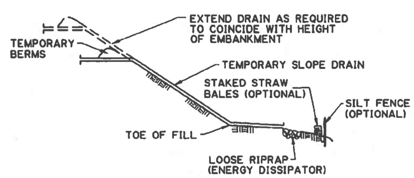
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A STONE ENTRANCE AND/OR WASH RACKS ARE:

1. THE STONE LAYER MUST BE AT LEAST 6 INCHES THICK.
2. THE STONE SHALL CONFORM TO PROJECT SPECIFICATIONS FOR RIPRAP (CLASS 2 LB).
3. THE LENGTH OF THE PAD MUST BE A LEAST 75 FEET AND IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS.
4. A GEOTEXTILE FABRIC UNDERLINER IS REQUIRED. THE GEOTEXTILE FABRIC SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS D).
5. IF A WASH RACK IS NECESSARY, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE.



PLAN



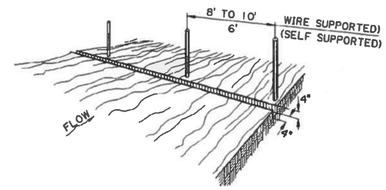
ELEVATION

TEMPORARY SLOPE DRAIN

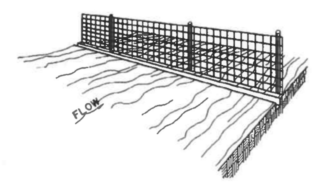
A TEMPORARY SLOPE DRAIN IS A DEVICE USED TO CARRY WATER FROM THE CONSTRUCTION WORK AREA TO A LOWER ELEVATION. SLOPE DRAINS MAY BE PLASTIC SHEET, METAL OR PLASTIC PIPE, STONE GUTTERS, FIBER MATS, OR CONCRETE OR ASPHALT DITCHES. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A TEMPORARY SLOPE DRAIN ARE:

1. THE SPACING OF THE SLOPE DRAINS VARIES WITH THE ROAD GRADE.
   FOR GRADES: 0.0% - 2.0% USE 500' SPACING
   2.1% - 5.0% USE 200' SPACING
   GREATER THAN 5.0% USE 100' SPACING
2. SLOPE DRAIN MATERIAL: SMOOTH PIPE - 8" MINIMUM - 3 MILS THICK MIN.
   CORRUGATED PIPE - 12" MINIMUM
   PLASTIC SHEETING - 4' WIDE MINIMUM
   PLASTIC SHEETING - 3 MILS THICK MIN.
3. PLASTIC SHEETING CAN BE STAKED DOWN OR WEIGHTED WITH ROCKS OR LOGS. THE AREA UNDER THE SHEETING SHOULD BE SHAPED TO PROVIDE AN ADEQUATE CHANNEL.
4. THE OUTLET END SHOULD BE PROTECTED OR HAVE SOME MEANS OF DISSIPATING ENERGY. THE FLOW SHOULD BE DIRECTED THROUGH A SEDIMENT TRAP SUCH AS A SILT FENCE, HAY BALES, OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
5. TO INSURE PROPER OPERATION, TEMPORARY SLOPE DRAINS SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM, FOR CLOGGING OR DISPLACEMENT. EROSION AT THE OUTLET SHOULD BE CHECKED AND THE SILT TRAPS CLEANED IF NECESSARY.

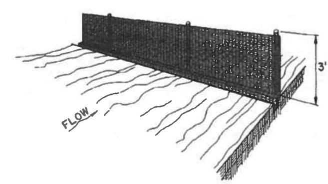
1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



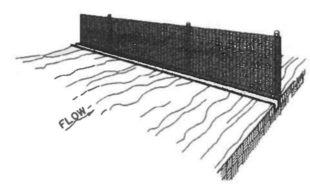
2. STAPLE WIRE FENCING TO THE POSTS.



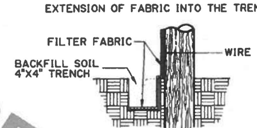
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:

SILT FENCING IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC SUPPORTED BY POSTS AND STRETCHED ACROSS AN AREA TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT. THE SILT FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW BASIC GUIDELINES FOR THE USE OF SILT FENCING ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE WHERE THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE IS 1/4 ACRE PER 100 FEET OF SILT FENCE LENGTH
3. USE WHERE THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER IS 100 FEET
4. USE THERE THE MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1
5. DO NOT USE SILT FENCES IN LIVE STREAMS OR IN DITCHES OR SWALES WHERE FLOWS EXCEED ONE CUBIC FOOT PER SECOND

DATE	REVISION DESCRIPTION	BY
10-1-08	REMOVE SPECIFIC PAY ITEM NOS., GENERAL REVISIONS	MH

APPROVED BY CHIEF ENGINEER: [signature] DATE: 10-1-08

DESIGNED JCM / CHECKED; DETAILED KAJ / CHECKED JCM; DATE 1-14-94; SHEET 2 OF 2

PARISH / FEDERAL PROJECT / STATE PROJECT / SHEET NUMBER

TEMPORARY EROSION CONTROL DETAILS

STANDARD PLAN EC-01

HYDRAULICS SECTION

61037966

District Traffic Operations
3773 Harding Blvd.
Baton Rouge, LA 70807
(225) 389-2111

Route	US 61
Control Section	019-02
Parish	East Baton Rouge
Log #	17-25-016
Permittee	Calvin Walker
Development	James C. Archie Ave Reconstruction
Consultant	Bluewing Civil Consulting, LLC

Permit Approval Form

This office recommends the following action:

Important: Driveway should be poured flush with the roadway surface (no curb thru driveway).

☐ **Resubmit** – The following changes should be incorporated into the next submittal:

☐ Construct channelizing island
☐ Mountable curb ☐ Barrier curb (see island attachment)

☐ **Approve** (note warning below for damage to existing signal equipment)

☒ **Approve Permit as Noted:** (note warning below for damage to existing signal equipment)

This permit is approved based on the attached layout showing reconstruction of the existing driveway accessing US 61.

☐ **Adjacent Existing Traffic Signals** – Contractor should pay close attention to the following items adjacent to his driveway or other construction. Permittee is responsible for repairing all existing signal installations damaged by his operations.

☐ Signal interconnect line ☐ Detector loops & junction boxes

Traffic Control During Construction

☐ Yes ☒ No Traffic Control Plan required? (Typically required for left or right turn lanes)
☐ Yes ☒ No Lane closure allowed?

Allowable Lane Closure Hours

a)	Weekdays	
b)	Weekends	
c)	Nights	

Final Inspection ☐ Yes ☒ No (by District Traffic Operations Engineer)

☐ Yes ☒ No (by Electricians)

Christopher J. Ewing, P.E., P.L.S., PTOE
District Traffic Operations Engineer

Date 3 Mar '25

61037966

0 20' 40'

SCALE: 1" = 20' SHEET: 34 x 22

No.	Description	Date

BLUEWING
CIVIL CONSULTING, LLC
PO BOX 3384
LAFAYETTE, LA 70502
Phone: (337) 419-0911
info@bluewingcivil.com

PRELIMINARY
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, RECORDATION, CONVEYANCE, OR SALES. FOR REVIEW AND PERMIT PURPOSES ONLY.

BLUEWING CIVIL CONSULTING, LLC
SIMON A GUILLORY, P.E.
LA LIC#37874

JAMES C. ARCHIE AVE RECONSTRUCTION

DRIVEWAY LAYOUT

Client	SOUTHERN UNIVERSITY
Project Number	224026
Issue Date	FEBRUARY 2025
Drawn By	LG
Checked By	AG

001

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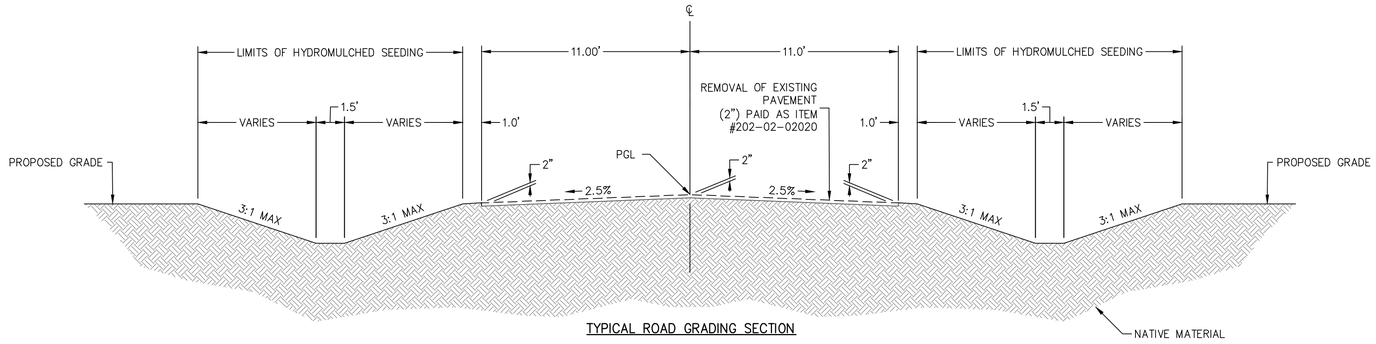


TYPICAL ROAD GRADING SECTION

LEGEND

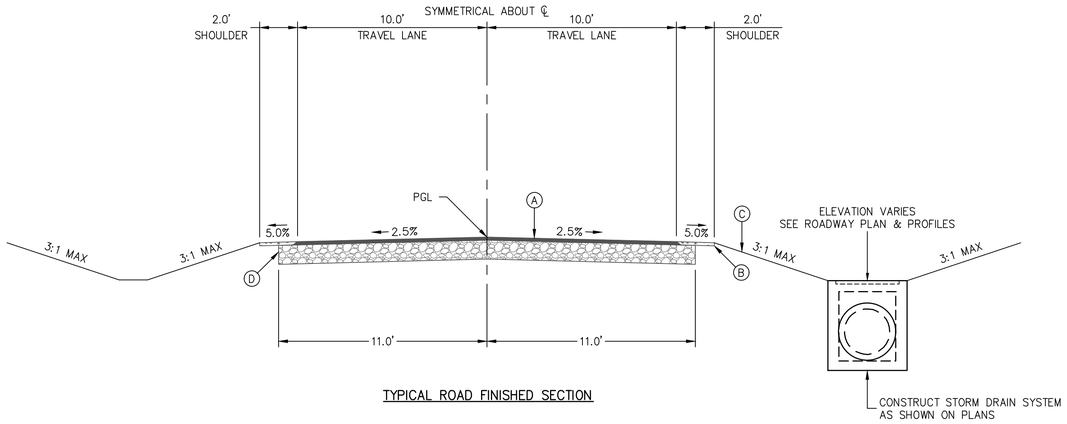
(A) 3" ASPHALTIC CONCRETE

(B) 2" AGGREGATE SURFACE COURSE

(C) VEGETATIVE COVER OVER DISTURBED AREAS

(D) 12" SOIL CEMENT BASE COURSE

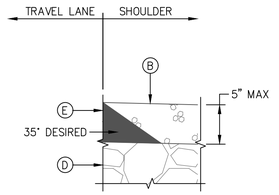
(E) SHOULDER WEDGE (SEE DETAIL THIS SHEET)(NO DIRECT PAY)



TYPICAL ROAD FINISHED SECTION

GENERAL NOTES:

1. ALL ITEMS SHALL BE CONSTRUCTED AS PER LA DOTD AND PARISH SPECIFICATIONS.
2. BEST MANAGEMENT PRACTICES SHOULD BE USED DURING CONSTRUCTION ACTIVITIES AS PER SECTION 204 OF THE LA DOTD SPECIFICATIONS AND STANDARD PLAN EC-01 & EC-02 TO THE EXTENT NECESSARY TO ENSURE EFFECTIVE CONTROL OF EROSION.
3. ANY EMBANKMENT THAT IS PLACED WITHIN THE PROPOSED ROADWAY LIMITS SHALL CONFORM TO SUBSECTION 203.06.1 OF THE DOTD STANDARD SPECIFICATIONS. MATERIAL TO BE CEMENT STABILIZED AND SHALL CORRESPOND TO SECTION 302.02.1 OF DOTD STANDARD SPECIFICATIONS.
4. ADDITIONAL EXCAVATION MAY BE REQUIRED FOR UNDERCUTTING SOFT AREAS IN THE SUBGRADE OR EXCAVATING MATERIAL UNSUITABLE FOR CEMENT STABILIZATION AS DETERMINED BY THE PROJECT ENGINEER.
5. ADDITIONAL MATERIAL REQUIRED FOR BACKFILLING UNDERCUT AREAS MUST BE SOIL SUITABLE FOR CEMENT STABILIZATION IN ACCORDANCE WITH SECTION 302.02.1 OF THE DOTD STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTE THAT THE SUBGRADE LAYER (8½" THICK SOIL CEMENT) SHALL INCLUDE THE CEMENT, WATER & ASPHALTIC CURING MEMBRANE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CURING, PROTECTING, AND MAINTAINING THE SUBGRADE LAYER. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED FROM THE COMPLETED SUBGRADE LAYER FOR A 72 HOUR PERIOD.
8. ALL DITCHES ARE DESIGNED AS PERMANENTLY OPENED DITCH AND SHALL NOT BE PIPED IN.



SHOULDER WEDGE DETAIL

No.	Description	Date

BLUEWING
CIVIL CONSULTING, LLC

PO BOX 3384
LAFAYETTE, LA 70502
Phone: (337) 419-0911
info@bluewingcivil.com

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BLUEWING CIVIL CONSULTING, LLC
SIMON A GUILLORY, P.E.
LA LIC#37874

JAMES C. ARCHIE AVE RECONSTRUCTION

TYPICAL SECTIONS

Client	SOUTHERN UNIVERSITY
Project Number	224026
Issue Date	FEBRUARY 2025
Drawn By	LG
Checked By	AG

004

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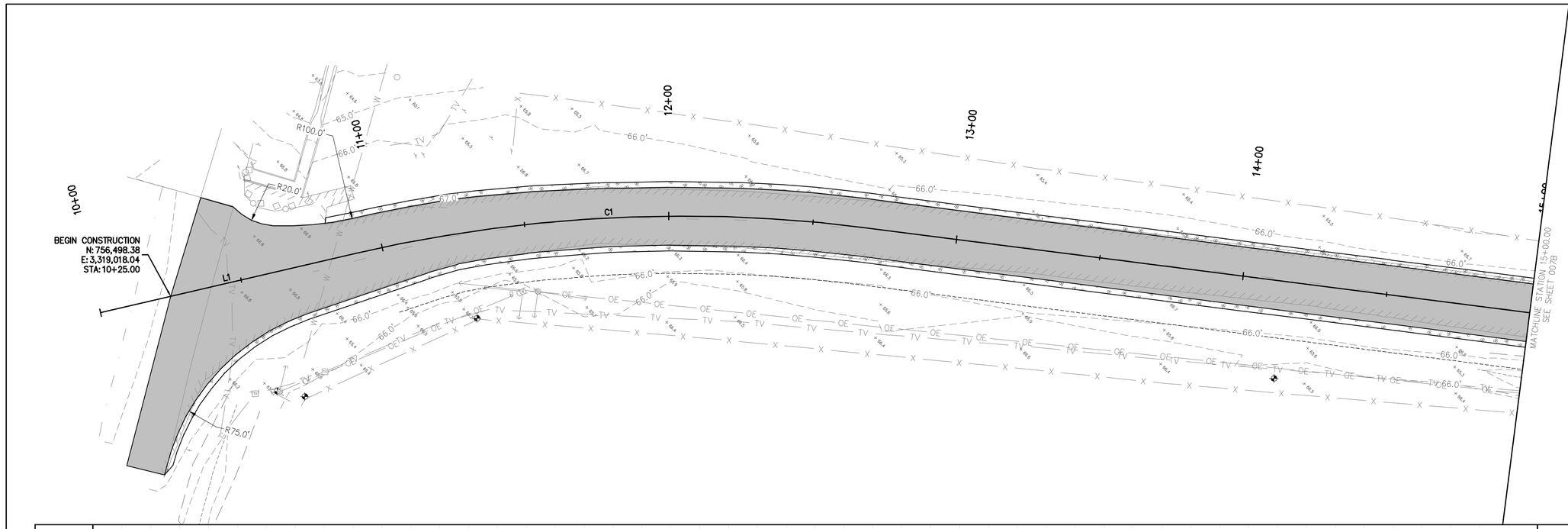

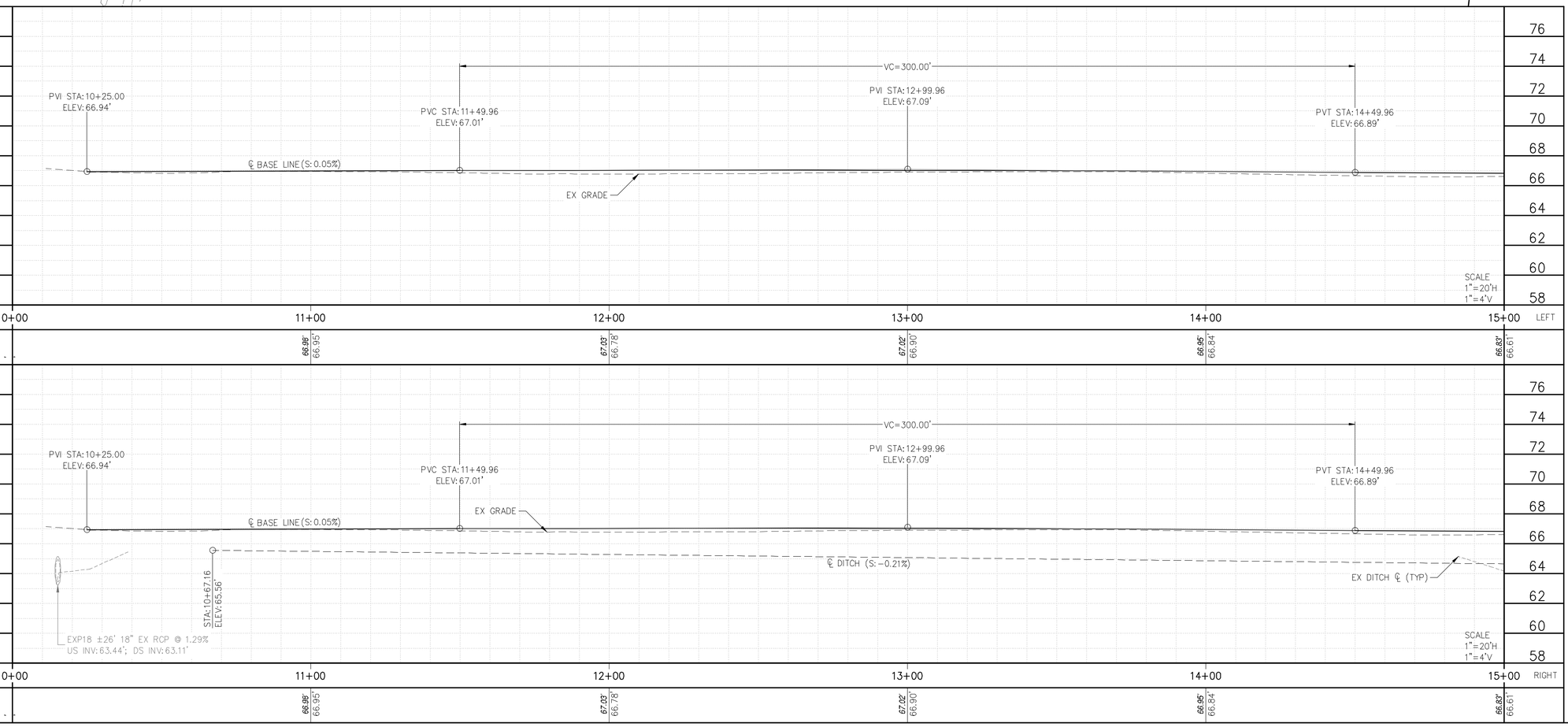

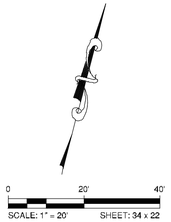

No.	Description	Date

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PO BOX 3384
LAFAYETTE, LA 70502
Phone: (337) 419-0911
info@bluewingcivil.com

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BLUEWING CIVIL CONSULTING, LLC
SIMON A GUILLORY, P.E.
LA LIC#37874

JAMES C. ARCHIE AVE RECONSTRUCTION

PLAN & PROFILES

Client	SOUTHERN UNIVERSITY
Project Number	224026
Issue Date	FEBRUARY 2025
Drawn By	LG
Checked By	AG

007A

02/17/2025 Application ID: 61-25-0009-AC **In Review**

Property Owner

Name:
Dr. Calvin Walker

Company:
Southern University Agricultural Research and Extension Center

Mailing Address:

Unit:

City:
Baton Rouge

State:
Louisiana

Zip:
70813

Phone:
(337) 344-8634

Cell:

E-Mail:
calvin_walker@suagcenter.com

Designated Contact

Name:
Jacob Roy

Company:
Bluewing Civil Consulting, LLC

Phone:
(337) 362-0600

Fax:

E-Mail:
jacob@bluewingcivil.com

Relationship:
Engineer

Authorized to Sign:
No

Property Information

Street Address:

14600 Scenic Hwy

City: Baton Rouge

State: Louisiana

Zip: 70807

Parish: East Baton Rouge

District: District 61

Property Type: Developed

Surface: Asphalt

Property is located on the E side of US 61 0.1 miles S of LA 964.

Lot Depth: 9,500 ft.

Frontage Width: 100 ft.

Proposed Building Dimensions: 0 x 0 ft.

Proposed Driveway Width: 10 ft.

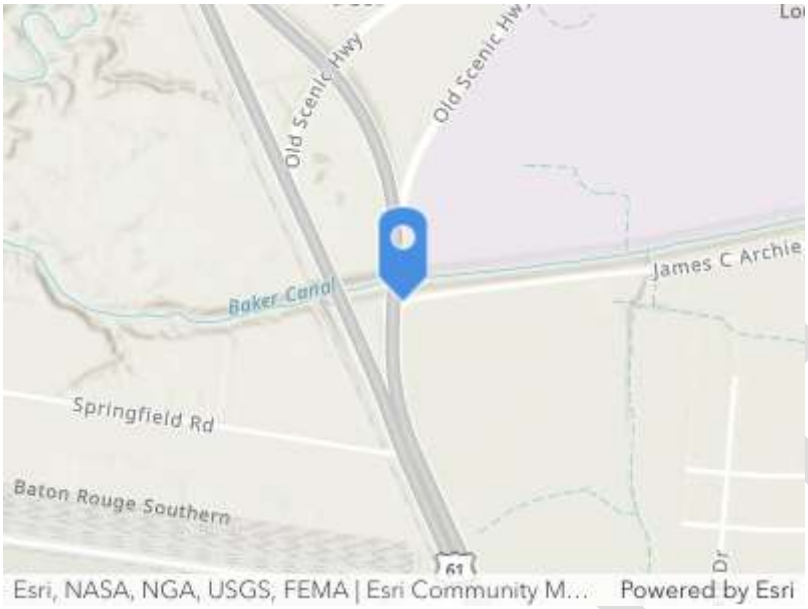
Distance from Centerline of Roadway to Property Line: 40 ft.

Setback from Right-of-Way to nearest buildings/gas pumps/ etc.: 2,850 ft.

Distance from Property Lines to Nearest Driveways/Roadways: 0 ft.

Property Latitude: 30.580226

Property Longitude: -91.211826



Proposed Use

Temporary:
No

Temporary Use:

Existing:

Proposed Use:
Other

Sq Ft.:	Units:	Fueling Positions:	Lanes:
	0	0	0

Students:	Attendees:	Beds:
0	0	0

Comments:
Reconstruction of existing access.

Will access connection become a public road?
No

Select All that Apply:
☐ Applicant requests more than one access connection.

Will the full development be built in phases?

No

- ☐ Property is within 1/2 mile of an existing traffic signal.
- ☐ Applicant requests a new traffic signal.
- ☐ Applicant requests a new median opening.
- ☐ Requested access connection location aligns with an existing signal or intersection.
- ☐ Existing median opening or portion thereof, is within the frontage limits of the property.
- ☐ Requested access connection is not on a state route, but is within 1/4 mile of a state route.
- ☐ Railroad crossing located within 1/4 mile.
- ☐ Applicant requests a roundabout.
- ☐ Property has frontage on an existing local or parish roadway.
- ☐ Property is within the functional area of intersection or limits of turn lane.
- ☑ None of the above apply

Additional Info

Does the applicant have knowledge of any State Highway access permits serving this property, or adjacent properties, in which the applicant has, or may have, a property interest?

No

Details:

Does the property owner own or have any interests in any adjacent properties?

No

Details:

Are there other existing or dedicated public streets, roads, highways, or access

This application is for:

Remodel/Change in Use

easements bordering or within the property?

No

Proposed Changes:

- ☐ Repave parking lot
- ☐ Reconfigure parking area
- ☐ Remodel interior of building(s)
- ☐ Remodel exterior of building(s)
- ☐ Build addition to building(s) to increase size

61037966

Joe Donahue
Secretary

Office of the Secretary
PO Box 831 | Baton Rouge, LA 70821-0831
ph: 225-231-4100 | fx: 225-231-4108

Jeff Landry
Governor

April 23, 2025

Dr. Calvin Walker (Southern University Agricultural Research and Extension Center)
14600 Scenic Hwy
Baton Rouge, LA 70807

TRAFFIC GENERATOR PERMIT CERTIFICATE – SIGNATURE REQUIRED

PARISH: East Baton Rouge **PERMIT LOG#:** 25-041 **PERMIT APPLICATION ID:** 61-25-0009-AC

The entire completed and stamped permit package *(including this letter)* must be kept on the job site and made available at all times for review or reference upon request by LA DOTD officials.

To Whom It May Concern,

In response to your permit request for accessing a state highway, the Louisiana Department of Transportation and Development has prepared the enclosed Traffic Generator Permit Certificate. Please thoroughly read all terms and conditions of this permit prior to beginning construction.

All construction work within the State Right-of-Way shall be in accordance to the latest version of the Louisiana Standard Specifications for Roads and Bridges. The specified, approved location of this permit must be strictly adhered to. Barrier curbs along driveway aprons are strictly prohibited within DOTD Right-of-Way.

Upon receipt of the signed certificate, LADOTD will approve the permit and return a signed copy to you. Only the final approved copy with signatures and a permit number affixed at the top of the permit is valid for construction. The enclosed copy is not a valid permit.

If you **are not** agreeable to the terms and conditions of the Access Connection Permit Certificate – Traffic Generator, please contact my office at (225) 231-4164.

If you **are** agreeable to the terms and conditions of the Access Connection Permit Certificate – Traffic Generator, please sign where indicated, complete your personal contact information, attach Power of Attorney documentation if necessary, and return to:

Cedric LaCour
LADOTD District 61 Permit Office
8100 Airline Hwy.
Baton Rouge, LA 70815

I acknowledge that I have read, and do hereby accept the terms and conditions contained in this document.

Print Name: CALVIN WALKER

Signature: Calvin Walker

Date: 5/7/2025

DOTD LANE CLOSURE REQUEST FORM

Joe Donahue
Secretary

Office of the Secretary
PO Box 831 | Baton Rouge, LA 70821-0831
ph: 225-231-4100 | fx: 225-231-4108

Jeff Landry
Governor

DOTD Lane Closure Request Form

EBR PARISH

All lane closure requests shall be submitted to, reviewed, and approved by the DOTD Area Engineer, Desmond Sam (225-231-4116, desmond.sam@la.gov) at least (1) week prior to closing any lanes.

Lane Closures on State Routes will only be allowed nightly Monday through Thursday from 8pm to 5am the following day and on weekends from 7pm Friday to 5am Monday. Additional work periods may be allowed at the discretion of the DOTD Area Engineer. Interstate closures will be considered on a case by case basis. Lane closures shall only be allowed while work is being performed. Lane Closures will not be allowed during New Year's, Mardi Gras, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas holiday periods, and other events as directed by the DOTD Area Engineer. No Lane Closures will be allowed during hurricane evacuation or contra flow event operations. Lane Closures will not be allowed during LSU and Southern University home sporting events, as defined by the DOTD Area Engineer. A detailed temporary traffic control plan must be submitted to the DOTD Area Engineer prior to closing any lanes. This plan must include what types of devices will be used and a quantity and location of each type of device. All distances and taper lengths must be included.

State Route Number (US 61, LA 67, etc.)	
Street Name (Airline Hwy., Plank Road, etc.)	

Start Date		Start Time	
End Date		End Time	

Limits of closure are: *Side Street* / *Side Street*

From		To	

Number of lanes to be Closed	
Direction of Closure (NB, SB, EB, WB)	

Purpose for Closure:

Name of Contractor Performing Work	
24 Hour Contact Name	
24 Hour Contact Phone Number	

Is a Detour Necessary (yes/no)	
Width Restrictions (yes/no)	
Max. Width (If Restricted)	

Detour Route (If Necessary):

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

Part I, Part II, and Part III

SUPPLEMENTAL TECHNICAL SPECIFICATIONS - PART I

Parts II-X of the Louisiana Standard Specifications for Roads and Bridges* (2016 Edition) handbook are hereby incorporated as the Technical Specifications - Part I of the Standard Specifications for this project.

* Copies of the Louisiana Standard Specifications for Roads and Bridges – (2016 Edition) may be obtained by mail the Louisiana Department of Transportation & Development's General File Unit or found on the LaDOTD website.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS - PART II

The following Supplemental Technical Specifications are to be used in conjunction with, or in lieu of, as specifically noted below, the previously referred to Department of Transportation and Development Technical Specification.

PART V – ASPHALT PAVEMENTS

Section 502
Asphalt Concrete Mixtures

502.03 DESIGN OF ASPHALT MIXTURES AND JOB MIX FORMULA (JMF) APPROVAL

Delete the second sentence of the second paragraph and replace with the following:

Submit the recommended JMF for all mixes used per job on DOTD forms electronically through email to the project engineer with all supporting design data. JMF shall not be older than 2 years.

502.08 HAULING, PAVING, AND FINISHING

502.08.2 Paving Operations

Delete the first sentence in the first paragraph. MTV use will not be required

502.09 ROLLING AND COMPACTING

502.09.1 General

Add the following after the second sentence of the first paragraph:

For ATB mixes used on shoulders, the material shall be shaped by suitable means and compacted. Shaping and compacting of ATB shoulder mixes shall continue until the surface conforms to the required sections and is free of ruts and waves. ATB shoulder mixes shall be compacted to a tight, uniform surface and to the satisfaction of the Engineer by approved means.

502.10 ROADWAY LOT SIZES

502.10.1 Mainline Mix Lot Sizes

Delete the first two sentences in the first paragraph and replace with the following:

Lots shall be 5,000 tons and sublots shall be 1,000 tons. Any project with less than 5,000 tons for any mix type is also defined as a lot.

502.11 ROADWAY ACCPETANCE

502.11.1 Density

Subsection 502.11.1 is modified by adjusting the required core diameter from 6” to 4”. Delete paragraphs five and six and replace with the following:

Lots shall be 5,000 tons and sublots shall be 1,000 tons. Three test samples will be taken for density every 1,000 tons per mix type placed and pay in accordance with Table 502-7. Daily testing and reports shall be submitted on

all mixes including wearing, binder, ATB and patching if 100 tons or more are placed.

502.11.1.1 Testing of Roadway Cores (Method 1)
Delete Entire Method 1

502.11.1.2 Testing of Roadway Cores (Method 2) Contractor's Testing of Roadway Cores in Acceptance Decision
Delete Entire Method 2

502.11.1.3 "Minor with Density" Requirements
Delete "Minor with Density" Requirements:" and replace with "Density Requirements"

Delete the last sentence and replace with the following:

For Method 2: The Owner will perform acceptance test per above method using the contractors laboratory and equipment. 502.15.2 is used to compute pay.

502.15 PAYMENT

502.15.2 Mainline Mixtures
Delete the first paragraph and replace with the following:

For all mainline mixtures, adjustments in contract unit price for roadway density as required by Table 502-5 will be based on the below adjusted Table 502-7:

Parameter	100% Pay	95% Pay	50 or Remove
Percent Air Voids	3.0-5.0	2.0-3.0 or 5.0-6.0	<2.0 or >6.0
Average Roadway Density, % Gmm	Requirement based on Table 502-5	-0.1 to 0.9 Below Lower Limit	-1.0 Below Lower Limit

Add the following note to adjusted Table 502-7:

For plant acceptance, use one sample for percent air voids to determine pay. For roadway acceptance, use the average of three cores to determine density and pay. The total percent payment will be the average of the percent payments for plant acceptance (air voids) and roadway acceptance (density).

Delete all references to the "Chief Engineer" in the notes and replace with "Engineer" in Table 502-7 and Table 502-8

PART VII – INCIDENTAL CONSTRUCTION

SECTION 712 - REVETMENTS

Delete Section 712 in its entirety and insert the following:

DESCRIPTION. This item consists of furnishing all materials and labor for flexible revetments of either stone, grout-filled fabric form articulating block mat, or cellular concrete block revetment. The work shall be done in accordance with the plans, the 2016 Louisiana Standard Specifications for Roads and Bridges, this specification, and as directed.

MATERIALS. Recycled Portland Cement Concrete, dry-batched prepackaged sacked concrete, wet-batched sacked concrete, and broken concrete shall not be used.
(a) Geotextile Fabric: Geotextile fabric shall comply with Subsection 1019.01.
(b) Stone: Stone base for revetments shall comply with Section 1003 Aggregates. Stone base aggregates shall be stone course aggregate and shall comply with Table 1003-1, Grade A (Size 57) aggregates.
(c) Cellular Concrete Blocks: All cellular concrete blocks shall be interlocking block mats conforming to the specifications and shall have penetrations or cable ducts which provides for binding by the use of revetment cables in the longitudinal and transverse direction (from top bank to bottom of slope and parallel to top bank).

Revetment cable shall be constructed of high tenacity, low elongating, continuous filament polyester fibers. Cable shall consist of a core construction comprised of parallel fibers contained within an outer jacket or cover. The weight of the parallel core shall be between 65 percent to 70 percent of the total weight of the cable. The revetment cable shall have the following physical characteristics.

Nominal Cable Diameter	Approximate Average Strength Lbs.	Weight/100 feet	
5/16”	7,000	Min. Lbs.	Max. Lbs.
		3.99	4.42

Elongation requirements specified below are based upon stabilized new, dry cable.

The revetment cable shall exhibit good to excellent resistance to most concentrated acids, alkalis and solvents. Cable shall be impervious to rot, mildew and degradation associated with marine organisms. The materials used

in the construction of the cable shall not be affected by continuous immersion in fresh or salt water.

Revetment cable splicing fittings shall be selected so that the resultant splice shall provide a minimum of 60 percent of the minimum rated cable strength. Fittings such as sleeves and stops shall be aluminum and washers shall be galvanized steel.

Cellular concrete mattress anchors shall be cast-aluminum, galvanized steel or galvanized ductile cast-iron.

Geotextile fabric for use with cellular block revetment shall be Type D fabric complying with Section 1019.

(d) Grout Filled Articulating Block Mat: Fine Aggregate Concrete: Fine aggregate concrete shall consist of a proportioned mixture of portland cement, fine aggregate (sand) and water. The consistency of the fine aggregate concrete delivered to the concrete pump shall be proportioned and mixed as to have an efflux time of 9-12 seconds when passed through the 0.75 inch orifice of the standard flow cone that is described in ASTM C 939. Pozzolan, fluidifier or pumping aid conforming to this specification may be used at the option of the contractor. The mix shall exhibit a compressive strength of 2,000 psi at 28 days, when made and tested in accordance with ASTM C 31 and C 39.

Portland cement shall conform to ASTM C 150, Type I or Type II.

Fine aggregate shall conform to ASTM C 33, except as to grading. Aggregate grading shall be reasonably consistent and shall not exceed the maximum size which can be conveniently handled with available pumping equipment.

Water for mixing shall be clean and free from injurious amounts of oil, acid, salt, alkali, organic matter or other deleterious substances.

Pozzolan, if used, shall conform to ASTM C 618, Class C, F or N.

Plasticizing and air entraining admixtures, if used, shall conform to ASTM C 494 and ASTM C 260, respectively.

Fabric Forms: Fabric forms shall be composed of synthetic yarns formed into a woven fabric. Yarns used in the manufacture of the fabric shall be composed of nylon and/or polyester. Forms shall be woven with a minimum of 50 percent textured yarns (by weight) to improve adhesion to fine aggregate concrete and to improve filtration. Each layer of fabric shall conform to the physical, mechanical and hydraulic requirements referenced herein. The fabric forms shall be free of defects or flaws which significantly affect their physical, mechanical, or hydraulic properties.

Fabric forms shall consist of double-layer woven fabric joined together by narrow perimeters of interwoven fabric into a matrix of rectangular compartments that form a concrete articulating block mat with finished nominal block dimensions of 20 inches x 14 inches, a finished average thickness of 4 inches and a nominal mass per unit area of 45 psf. Cords shall connect the two layers of fabric at the center of each compartment. The cords shall be interwoven in two sets of four cords each, one set for the upper layer and one set for the bottom layer. Each cord shall have a minimum breaking strength of 160 lbf when tested in accordance with ASTM D 2256. Fabric form

compartments shall be offset one half a compartment length, in the mill width direction, to form a bonded concrete block pattern.

PROPERTY REQUIREMENTS – ARTICULATING BLOCK FABRIC[1, 2]				
Property		Test Method	Units	Values
Physical:				
Composition of Yarns				Nylon or Polyester
Mass Per Unit Area (double-layer)		ASTM D 5261	oz/yd^2 (g/m^2)	12 (403)
Thickness		ASTM D 5199	mils (mm)	25 (0.6)
Mill Width			in (m)	76 (1.92)
Mechanical:				
Wide Width Strip Tensile Strength	-Machine	ASTM D 4595	lbf/in (kN/m)	140 (24.5)
	-Cross		lbf/in (kN/m)	110 (19.3)
Elongation at Break	-Machine	ASTM D 4595	%	20
	-Cross		%	30
Trapezoidal Tear Strength	-Machine	ASTM D 4533	lbf (N)	150 (665)
	-Cross		lbf (N)	100 (445)
Hydraulic:				
Apparent Opening Size (AOS)		ASTM D 4751	U.S. Standard Sieve (mm)	40 (0.425)
Flow Rate		ASTM D 4491	Gal/min/ft^2 (l/min/m^2)	90 (3665)

Notes:
1. Conformance of fabric to specification property requirements shall be based on ASTM D 4759, "Practice for Determining the Specification Conformance of Geotextiles."
2. All numerical values represent minimum average roll values (i.e., average of test results from any sample roll in a lot shall meet or exceed the minimum values). Lots shall be sampled according to ASTM D 4354, "Practice for Sampling of Geosynthetics for Testing."

Fabric form compartments shall each have six grout ducts, two on each of the long sides and one on each of the short sides to allow passage of the fine

aggregate concrete between adjacent compartments. The fine aggregate concrete filled, cross-sectional area of each grout duct shall be no more than 10 percent of the maximum filled cross sectional area of the block transverse to the duct.

Mill widths of fabric shall be a minimum of 76 inches. Each selvage edge of the top and bottom layers of fabric shall be reinforced for a width of not less than 1.35 inches by adding a minimum of 6 warp yarns to each selvage construction. Mill width rolls shall be cut to the length required, and the double-layer fabric separately joined, bottom layer to bottom layer and top layer to top layer, by means of sewing thread, to form multiple mill width panels with sewn seams on not less than 72 inch centers.

All factory-sewn seams shall be downward facing. All seams sewn in the factory shall be not less than 90 lbf./in. when tested in accordance with ASTM D 4884. All sewn seams and zipper attachments shall be made using a double line of U.S. Federal Standard Type 401 stitch. All stitches shall be sewn simultaneously and be parallel to each other, spaced between 0.25 inches to 0.75 inches apart. Each row of stitching shall consist of 4 to 7 stitches per inch. Thread used for seaming shall be nylon and/or polyester.

Grout stops shall be installed at predetermined mill width intervals to regulate the distance of lateral flow of fine aggregate concrete. The grout stop material shall be nonwoven filter fabric. The grab tensile strength of the filter fabric shall be not less than 90 lbf./in. when tested in accordance with ASTM D 4632.

Fabric Form Shipment and Storage: The fabric forms shall be kept dry and wrapped such that they are protected from the elements during shipping and storage. If stored outdoors, they shall be elevated and protected with a waterproof cover that is opaque to ultraviolet light. The fabric forms shall be labeled as per ASTM D 4873, “Guide for Identification, Storage and Handling of Geosynthetic Rolls.”

Cables shall be installed in the longitudinal direction between the two layers of fabric. A minimum of two longitudinal cables shall pass through each compartment in a manner which provides for the longitudinal and lateral binding of the finished articulating block mat. The cables shall enter and exit the compartments through opposing grout ducts. The longitudinal cables shall be on approximately 10 inch centers, when measured along the finished mat. All cables within each filled concrete block shall be completely embedded in the fine aggregates concrete.

Cables shall be constructed of high tenacity, low elongation, continuous filament polyester fibers. Cables shall be nominally ¼ inches in diameter and their rated breaking strength shall not be less than 3,500 lbf.

Cable fittings shall be selected so that the resultant cable splice shall provide a minimum of 80 percent of the rated breaking strength of the cable. All cable splices shall have a minimum cable overlap of 6 inches and be made with aluminum compression fittings.

The contractor shall submit a manufacturer’s certificate that the supplied fabric forms meet the criteria of these specifications, as measured in full

accordance with the test methods and standards referenced herein. The certificates shall include the following information about each fabric form delivered:

Manufacturer's name and current address;
Full product name;
Style and product code number;
Form number(s);
Composition of yarns; and
Manufacturer's certification statement.

The filter fabrics shall be composed of synthetic fibers or yarns formed in a nonwoven or woven fabric. Fibers and yarns used in the manufacture of filter fabrics shall be composed of at least 85 percent by weight of polypropylene, polyester or polyethylene. They shall be formed into a network such that the filaments or yarns retain dimensional stability relative to each other, including selvages. These materials shall conform to the physical requirements shown below. The filter fabric shall be free of defects or flaws which significantly affect its mechanical or hydraulic properties.

SPECIFICATION PROPERTY REQUIREMENTS – GEOTEXTILES[1, 2]			
Property	Test Method	Units	Values
Grab Tensile Strength	ASTM D 4632	lbf (N)	90 (400)
Elongation at Break	ASTM D 4632	%	15
Trapezoidal Tear Strength	ASTM D 4533	lbf (N)	30 (130)
Permittivity	ASTM D 4491	sec^{-1}	0.5

Notes:

1. Conformance of filter fabrics to specification property requirements shall be based on ASTM D 4759, "Practice for Determining the Specification Conformance of Geotextiles."

2. All numerical values represent minimum average roll values (i.e., average of test results from any sample roll in a lot shall meet or exceed the minimum values). Lots shall be sampled according to ASTM D 4354, "Practice for Sampling of Geosynthetics for Testing."

(e) Water: Water shall be from an approved source in accordance with Subsection 1018.01.

(f) Topsoil: Topsoil shall comply with Section 715.

CONSTRUCTION REQUIREMENTS. Revetments shall be constructed in dry or dewatered areas, unless otherwise directed. Logs, stumps and other undesirable material shall be removed from areas on which revetments are to be placed. Usable soil shall be used to bring areas to grade and shall be compacted to the density of surrounding ground to the engineer's satisfaction before final grading. The revetment areas shall be graded to required sections.
(a) Geotextile Fabric Placement: Ends of geotextile fabric shall be buried for anchorage as shown on the plans. Adjacent strips of geotextile fabric shall be lapped at least 18 inches (450 mm). The laps shall be pinned at maximum 5-foot (1.5 m) intervals or as per manufacturer's recommendation, whichever results in the maximum number of pinned locations. Geotextile fabric shall not be damaged during revetment placement. Damaged fabric shall be replaced at no additional cost.
(b) Stone Placement: Toe and end walls shall be constructed by placing stone in the trench lined with geotextile fabric as shown on the plans. Placement of stone shall begin at the bottom of the slope in a layer having the specified average thickness. Stone shall be placed by approved methods. A tolerance of 2 inches (50 mm) above or below the specified thickness will be allowed. Openings between stones exposing more than 4 square inches (2500 sq mm) of geotextile fabric will not be permitted.
(c) Cellular Concrete Block Placement: Areas on which geotextile fabric and cellular concrete blocks are to be placed shall be constructed to the lines and grades shown. The subgrade for the cellular concrete blocks shall be free of voids, pits and depressions. Voids, pits and depressions shall be brought to grade by backfilling. Obstructions, such as roots and projecting stones larger than 1 inch remaining on the surface, shall be removed and the soft or low density pockets of material removed shall be filled with selected material and compacted to 90 percent of maximum density.

Excavation and preparation for anchor trenches, side trenches, toe trenches and aprons shall be done in accordance to the lines, grades and dimension shown on the plans.

Placement of geotextile fabric shall be installed in accordance with paragraph (a) above.

Cellular concrete block revetment shall be placed within the limits shown. The cellular concrete block revetment shall be placed on the geotextile fabric in such a manner as to produce a level surface. No more than 200 lineal feet of geotextile fabric shall be laid before covered with concrete block mats. Fabric installed more than two (2) days not covered by blocks shall be lifted and the surface of the slope inspected for slope defects. The engineer will require uncovered fabric to be lifted after heavy rainfall to inspect for slope damage.

The manufacturer, contractor and engineer shall discuss subgrade preparation, geotextile and cellular block placement at the pre-construction meeting to ensure that all parties are aware of the issues regarding installation. The manufacturer of the cellular concrete block mats shall be present during the first week of block placement to assist the contractor. The contractor shall

furnish a certificate from the manufacturer or an authorized representative thereof stating that the blocks were installed correctly.

Concrete blocks shall be bound by the use of polyester revetment cable and fittings. When revetment cables are required, the cables shall be installed in every block and shall extend from top of bank to bottom of channel.

When revetments cables are used, the cellular concrete mattresses shall be anchored at the top and at the exposed sides of the ends of the revetment system by fastening the exposed revetment cables to the anchors driven into the anchor trench. Anchors shall have a minimum pull resistance of 2,000 pounds, a minimum embedment depth of 4-feet and shall be attached to the cellular concrete block revetment system in a manner which will achieve little or no slack in the revetment cable. Anchors shall be of the helical or flexible type and shall be installed at 4-foot intervals at mattress seams along the top, 32-inch intervals along the terminal sides, and additional anchors at locations and intervals as shown on the plans.

After completion of cellular block revetment, topsoil conforming to Section 715 shall be loosely spread over the revetment to partially fill cell openings at no direct pay. Topsoil shall be seeded and fertilized in accordance with Section 717 and 718.

The opening in the blocks shall be concrete filled at the location of pipe outfalls 15 inches and greater connecting to the revetment. The concrete fill area shall include the width of the pipe plus an additional distance of 5 feet on each side of the pipe outfalls for 15 inches and 18 inches pipes. For pipe outfalls 24 inches and greater, the concrete fill area shall include the width of the pipe plus an additional distance of 10 feet on each side of the pipe outfall. The concrete shall be installed along the slope from top bank to the bottom of the side slope. In addition, the channel slope across from the pipe outfall shall be concrete filled for the same limits as the bank with the pipe outfall. Where the cellular concrete block revetment is installed along the bottom of the channel under pipe outfalls, the openings in the concrete blocks shall be grout filled to the same limits as the channel slopes. Concrete shall be Class R concrete conforming to Section 901.

(d) Grout Filled Articulating Block Mat Placement: This work consists of installing an unreinforced concrete lining by positioning specially woven, double-layer synthetic forms on the surface to be protected and filling them with a pumpable, fine aggregate concrete (structural grout) in such a way as to form a stable lining of required thickness, weight and configuration.

Site Preparation: Areas on which fabric forms are to be placed shall be constructed to the lines, grades, contours, and dimensions shown on the plans. All obstructions such as roots and projecting stones shall be removed. Where such areas are below the allowable grades, they shall be brought to grade by placing compacted layers of select material. The thickness of layers and the amount of compaction shall be as directed. Soft and otherwise unsuitable subgrade soils shall be identified, excavated and replaced with select materials.

Excavation and preparation of aprons as well as anchor, terminal or toe trenches shall be done in accordance with the lines, grades, contours, and dimensions shown on the plans.

Immediately prior to placing the fabric forms, the prepared area shall be inspected by the engineer, and no forms shall be placed thereon until the area has been approved.

Fabric Form Placement: A filter fabric shall be placed on the approved graded surface. Stone base shall be placed over the filter fabric in accordance with the plan details.

Fabric forms shall be placed over the filter fabric and within the limits shown on the plans. Anchoring of the fabric forms shall be accomplished through the use of anchor, terminal and toe trenches.

Adjacent fabric form panels shall be joined before filling with fine aggregate concrete by field sewing or zippering the two bottom layers of fabric together and the two tip layers of fabric together. All field seams shall be made using two lines of U.S. Federal Standard Type 101 stitches. All sewn seams shall be downward facing, and zipper seams shall be fastened as recommended by manufacturer.

When conventional joining of fabric forms is impractical or where called for in the plans, adjacent forms may be overlapped a minimum of three feet to form a lap joint, pending approval by the engineer. Based on the predominant flow direction, the downstream edge of the form shall overlap the upstream edge of the next form. In no case shall simple butt joints between forms be permitted.

Expansion joints shall be provided as directed by the engineer.

Immediately prior to filling with fine aggregate concrete, the assembled fabric forms shall be inspected by the engineer, and no fine aggregate concrete shall be pumped therein until the fabric seams have been approved. At no time shall the unfilled fabric forms be exposed to ultraviolet light (including direct sunlight) for a period exceeding five days.

Fine Aggregate Concrete Placement: Following the placement of the fabric forms, small slits shall be cut in the top layer of the fabric form to allow the insertion of the filling pipe at the end of the fine aggregate concrete pump hose. These slits shall be of the minimum length to allow proper insertion of the filling pipe. Fine aggregate concrete shall be pumped between the top and bottom layers of fabric, filling the forms to the recommended thickness and configuration.

Fine aggregate concrete shall be pumped in such a way that excessive pressure on the fabric forms and cold joints are avoided. A cold joint is defined as one in which the pumping of the fine aggregate concrete into a given form is discontinued or interrupted for an interval of forty-five minutes or more.

Holes in the fabric forms left by the removal of the filling pipe shall be temporarily closed by inserting a piece of nonwoven fabric or similar material. The nonwoven fabric shall be removed when the concrete is no longer fluid and the concrete surface at the hole shall be cleaned and smoothed by hand. Foot

traffic on the filled form shall be restricted to an absolute minimum for one hour after filling.

After the fine aggregate concrete has set, all anchor, terminal and toe trenches shall be backfilled and compacted, as specified by the engineer.

MEASUREMENT. Flexible revetment will be measured per square yard of covered surface area as shown on the plans and as directed. Site preparation, including all excavation and backfill, filter stone base, geotextile fabric, topsoil, fertilizer, seeding, and Class R concrete will not be measured for payment.

PAYMENT. Payment for flexible revetment will be made at the contract unit price per square yard which includes furnishing and installing all materials as shown on the plan details and in accordance with this section.

Payment will be made under:

Item No.	**Pay Item**	**Pay Unit**
712-04-00100	**Flexible Revetment (Grout Filled Articulated Block Mat)**	**Square Yard**

Section 727
Mobilization

727.05 PAYMENT

Add to end of third paragraph with the following:

If item for construction photographs and videos is in the project, the item shall be delivered to and approved by the project engineer prior to initial mobilization pay request

PART X
MATERIALS

Section 1003
Aggregates

1003.03 BASE COURSE AGGREGATES

1003.03.3 Blended Calcium Sulfate, BCS

Subsection 1003.03.3 is deleted in its entirety. Blended Calcium Sulfate is not an approved material.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS - PART III

NS ITEMS

NS-1200-01000 CONSTRUCTION PHOTOGRAPHS AND VIDEOS

After issuance of the Notice to Proceed, but before the start of construction, Contractor shall make a complete and thorough video (USB media format) of the project site for the purpose of recording the existing conditions prior to construction.

The video shall be of sufficient details to show the following features:

1. Conditions of existing pavements within project limits.
2. Conditions of existing driveways within project limits.
3. Location and condition of any other feature that will be located in the vicinity of the proposed construction.

Contractor shall furnish one (1) copy of the video in USB media format to the Engineer prior to commencing work.

The video will be used by the Engineer in ruling on property damage claims.

Payment will be under:

Item No.	Pay Item	Pay Unit
NS-1200-01000	**Construction Photographs and Videos**	**Lump Sum**

NS-2000-01000 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

The Contractor shall prepare, implement, and adhere to a Storm Water Pollution Prevention Plan (SWPPP) for the project construction activities. The SWPPP shall comply with the requirements of the U.S. Clean Water Act as amended (33 U.S.C. 1251 et seq), the Louisiana Environmental Quality Act as amended (La. R.S. 30:2001, et seq), and the LDEQ Water Discharge Permit, General Permit Number LAR 2000000, "Storm Water General Permit for Construction Activities (equal to or greater than one (1) acre, but less than five (5) acres).

The Contractor shall prepare and submit the Notice of Intent and the Notice of Completion.

All work associated with the preparation, implementation and adherence to the SWPPP shall be included in Price Bid for "Item NS-2000-01000, Storm Water Pollution Prevention Plan (SWPPP), per Lump Sum". Payment shall include all labor, tools, materials (not classified for payment), supervision, and other incidentals necessary to complete the work as required by the SWPPP.

Payment will be under:

Item No.	Pay Item	Pay Unit
NS-2000-01000	**Storm Water Pollution Prevention Plan (SWPPP)**	**Lump Sum**