

Notice to Contractors Lee County Project No.
LCP 41-RALR-23
Lee County, Alabama

Sealed bids will be received by the Lee County Commission at 215 S. 9th Street, Opelika, AL 36801 or mailed to P.O. Box 666, Opelika, AL 36803-0666 until 10:00 AM on April 04, 2023 and at that time publicly opened at the Lee County Courthouse, 215 S. 9th Street, Opelika, AL 36801, for constructing the Full Depth Reclamation, Resurfacing, and Traffic Stripe on various public roads in Lee County, AL. Minimum Length – 5.9 miles.

The Entire Project Shall Be Completed in Sixty-Five (65) Working Days.

Plans and Proposals are available online at http://www.leeco.us/business/commission_office/current_bids.php, or at the Lee County Highway Department (ph. 334-737-7011), 100 Orr Avenue, Opelika, AL 36803. A Bidding Proposal may be purchased for \$5.00. Plans may be purchased for \$2.00 per set. Checks should be made payable to the Lee County Commission. Plans and Proposals will be mailed only upon receipt of remittance.

Cashier's check or bid bond for 5% of bid (maximum - \$10,000.00) made payable to the Lee County Commission must accompany each bid as evidence of good faith. Bids will not be considered unless the bid bond form provided in the proposal is used.

The bracket range is shown only to provide general financial information to contractors and bonding companies concerning the project's complexity and size. This Bracket should not be used in preparing a bid, nor will this bracket have any bearing on the decision to award this contract.

The bracket estimate on this project is from \$1,388,000.00 to \$1,697,000.00.

The bidder's proposal must be submitted on the complete original proposal furnished him or her by Lee County. Bidders and material suppliers must be on the Alabama Department of Transportation's list of approved contractors and suppliers.

The right to reject any or all bids is reserved by Lee County, AL.

Ala. Code § 39-3-5 applies to this project. In accordance with *Ala. Code § 39-3-5(a)*, "... preference shall be given to resident contractors, and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded Alabama public contracts only on the same basis as the nonresident bidder's state awards contracts to Alabama contractors bidding under similar circumstances; and resident contractors in Alabama, as defined in Section 392-12, be they corporate, individuals, or partnerships, are to be granted preference over nonresidents in awarding of contracts in the same manner and to the same extent as provided by the laws of the state of domicile of the nonresident."

As a condition for award, the business entity and its subcontractors shall not knowingly employ or hire an unauthorized alien within the State of Alabama. The awarded business entity must provide documentation of enrollment in the E-Verify program. The business must participate in the E-Verify program for the length of the contract.



PROPOSAL NO. _____

_____, 20__

**FOR THE CONSTRUCTION OF LEE COUNTY PROJECT
NO. LCP 41-RALR-23**

LEE COUNTY, ALABAMA

Proposal of
Contractor Name: _____

Of (City, State): _____

ALDOT Contractor Identification Number: _____
(To be used to document E-Verify)

Alabama General Contractors License Number: _____

For constructing the

The plans are composed of the drawings identified as follows:
County Project No. LCP 41-RALR-23

The specifications are hereto attached.

In order to be considered, sealed proposals must be received at the location and time below:

Lee County Commission
215 South 9th Street
Opelika, Alabama 36801
Phone: (334) 737-7011

BEFORE: 10:00 AM ON APRIL 04, 2023

Bids will be opened as soon thereafter as practicable. Award will be made at the next regularly scheduled meeting of the Lee County Commission.

Bidder's Initials: _____
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INSTRUCTIONS TO BIDDERS

1. PREPARATIONS OF BIDS:

Forms furnished, or copies thereof, shall be used, and strict compliance with the requirements of the invitation, these instructions, and the instructions printed on the forms is necessary. Special care should be exercised in the preparation of bids. Bidders must make their own estimates of the facilities and difficulties attending the performance of the proposed contract, including local conditions, uncertainty of weather, and all other contingencies. All designations and prices shall be fully and clearly set forth. The proper space in the bid and guaranty/bid bond forms shall be suitably filled in.

2. LABOR AND MATERIALS NOT TO BE FURNISHED BY LEE COUNTY, ALABAMA:

The County Commission of Lee County, Alabama, will not furnish any labor, material, or supplies unless specifically provided in the Contract.

3. SIGNATURE TO BIDS:

Each bid must give the full business address of the Bidder and must be signed by the Bidder with their usual signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership, or by an authorized representative, followed by the signature and designation of the person signing. Bids by corporations must be signed with the legal name of the corporation followed by the name of the State of Incorporation and by the signature and designation of the president, secretary, or other person authorized to bind it in the matter. The name of each person shall also be typed or printed below the signature. A bid by a person who affixes to this signature the word "president," "secretary," "agent," or other designation without disclosing his principal, may be held to be the bid of the individual signing. When requested by the County Commission of Lee County, Opelika, Alabama, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be furnished.

4. BIDS FOR ALL OR PART:

Each project will be bid separately unless otherwise expressly requested in the Proposal. Combination bids, that are bids on separate projects lumped together as a single bid or on all or none bid or on all or none basis, will not be accepted unless the Proposal expressly requests or permits same.

Bidder's Initials: _____



5. ALTERNATE BIDS:

Alternate bids will not be considered unless called for.

6. SPECIFICATIONS AND SCHEDULES:

The specifications, conditions, schedules, and drawings which form the basis of any bid will be considered as a part thereof and will form a part of the Contract.

Copies of these papers, together with a copy of the standard contract form, including authorized additions, or deletions, if any, will be furnished to or made available for the inspection of bidders by the office indicated in the advertisement of invitation.

7. CORRECTIONS:

Erasures, white-outs, or other changes in the bids must be initialed by the bidder.

8. OWNER:

Where the word "Owner" appears herein, the same refers to Lee County, Alabama, and includes the County Commission of Lee County, its governing body.

9. GUARANTY, BONDS AND INSURANCE:

Security is required to ensure the execution of Contract and for performance of the services, and no bid will be considered unless it is so guaranteed. The bidder must furnish with his bid a bid bond or cashier's check drawn on an Alabama bank in the amount of 5% of his bid price, but in no event more than ten thousand dollars (\$10,000.00) payable to Lee County Commission, of Lee County, Alabama. Cashier's check or bid bonds, will, at the option of the Owner, be paid into the funds of Lee County Commission as liquidated damages upon failure of the successful bidder to execute the written contract and furnish the performance bond, payment bond, and insurance coverages as hereinafter required, within fifteen (15) consecutive calendar days following written notice of the award of the Contract unless an extension is granted, in writing, by an authorized representative of Lee County, Alabama.



10. BONDS AND INSURANCE:

The bonds and insurance policies of any surety company or insurance company respectively, authorized to do business in the State of Alabama, will be accepted as security and insurance as required for any bid or contract. See the instructions hereinafter contained and the applicable standard forms with respect to the type, form, and amounts of required bonds and insurance policies.

11. MARKING AND MAILING BIDS:

Bids, with their guarantee, must be securely sealed in suitable envelopes, addressed, and marked on the outside "County Commission of Lee County, Bids for LCP 41-RALR-23, to be opened at 10:00 a.m. on April 04, 2023." (Alabama General Contractor License Number and Name on envelope.)

12. TIME FOR RECEIVING BIDS:

Bids received prior to the time of opening will be securely kept, unopened. The Owner will decide when the specified time has arrived, and no bid will be considered if received thereafter, except that when a bid arrives by mail after time for opening, but before award is made, and it is shown to the satisfaction of the Owner that the non-arrival on time was due solely to delay in the mails for which the bidder was not responsible, such bid may be received and considered. No responsibility will attach to Lee County or the County Commission for the premature opening of a bid not properly addressed or identified. Unless specifically authorized, telegraphic bids will not be considered, but modifications by telegraph of bids already submitted will be considered if received prior to the hour set for opening.

13. WITHDRAWAL OF BIDS:

Bids may be withdrawn on written or telegraph request received from bidders prior to the time fixed for opening. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

14. BIDDERS PRESENT:

At the time fixed for the opening of bids, their contents will be made public for the information of bidders and others properly interested who may be present either in person or by representation.

Bidder's Initials: _____



15. AWARD OR REJECTION OF BIDS:

The Contract will be awarded to the lowest responsive and responsible bidder complying with conditions of the invitation for bids, provided his bid is reasonable and it is in the interest of the Owner to accept it. The bidder to whom the award is made will be notified at the earliest possible date. The Owner, however, reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in the interest of the Owner. It also reserves the right to reject the bid of a bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or a bid of a bidder who is not, in the judgment of the Owner, in a position to perform the Contract.

16. BIDDERS INTERESTED IN MORE THAN ONE BID:

If more than one bid is offered by any one party, by or in a name of his clerk, partner, corporation in which he has a substantial interest, or in which he is an officer, or other person, all such bids may be rejected. A party who has quoted prices on materials to a bidder is not thereby disqualified from quoting prices to other bidders or from submitting a bid directly for the materials or work. The County Commission of Lee County reserves the right to determine in its discretion whether the provisions of this clause have been violated by any bidder.

17. ERRORS IN BIDS:

Bidders or their authorized agents are expected to examine the maps, drawings, specifications, and all other instructions pertaining to the work, which will be open to their inspection. Failure to do so will be at the Bidder's own risk, and he cannot secure relief on the plea of error in the bid. In case of error in the extension of prices, the unit price will govern.

18. CONTRACT AND BOND:

The bidder to whom award is made must, when requested, enter into written contract on the standard form as set out herein, with satisfactory security in the amount required, within the period specified, or, if no period be specified, within 15 days after the required forms are presented to him for signature.

19. COLLUSION:

If there is any reason for believing that collusion exists among the Bidders any or all Proposals may be rejected, and those participating in such collusion may be barred from submitting bids on the same or other work with the County.



20. SUBLETTING OR ASSIGNING OF CONTRACT:

(a) Limitations. The Contractor shall not sublet, assign, transfer, convey, sell, or otherwise dispose of any portion of the contract, his right, title or interest therein, or his power to execute such contract, to any person, firm or corporation without written consent of the County, and such written consent shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the contract. Unless otherwise stipulated in the proposal or special provisions, the Contractor shall perform with his own organization, and with the assistance of workmen under his immediate superintendence and reported on his payroll, all contract work of a value not less than 30 percent of the total contract amount, except that any items designated in the contract as "Specialty Items" so performed by subcontract may be deducted from the total contract amount before computing the amount of work required to be performed by the Contractor with his own organization.

(b) Subcontractor's Status: A Subcontractor shall be recognized only in the capacity of an employee or agent of the Contractor and the Contractor will be responsible to the County for all of the subcontractor's work, including failures or omissions; and his removal may be required by the Engineer, as in the case of an employee.

21. PROSECUTION OF WORK:

(a) Notice of Intent: The Contractor shall give the Engineer definite notice of his intention to start work at least 72 hours in advance of beginning work and at least 24 hours in advance of beginning particular features of construction, such as driving piles, placing concrete, asphalt, etc. Should prosecution of the work be discontinued by the Contractor with the consent of the Engineer, the Contractor shall give the Engineer at least 48 hours' notice, in writing, before resuming operations.

(b) General: The Contractor shall prosecute the work continuously and diligently in the order and manner set out in his schedule as approved by the Engineer. He shall provide sufficient satisfactory materials, labor, and equipment to ensure that the work will be completed in a satisfactory manner within the time specified in the contract.

Should the Contractor fail to maintain a satisfactory rate of progress, the Engineer will require that additional forces and equipment be placed on the work to bring the project up to schedule and maintain it at that level.

Should the Contractor fail to furnish sufficient satisfactory equipment and labor for maintaining the quality and progress of the work at satisfactory level, the Engineer may withhold all estimates which are or may become due until satisfactory quality and progress are maintained; or the contract may be annulled.

Bidder's Initials: _____



22. ASPHALT MATERIAL PRICE ADJUSTMENT:

Price adjustments will be made to all Asphalt Materials in accordance with the following: It is understood and agreed that the price per ton of materials bid is based on prices at the time of opening of bids. Prices on contracts developed from this bid will be adjusted based on the PRICE INDEX per gallon of asphalt as determined by the ALDOT Asphalt Index for the month of April 2023. Any increase or decrease in asphalt prices will be determined and adjusted by the price index for the month in which delivery and placement is made. Adjustment will be made in accordance with the current ALDOT Specifications.

23. JOB MIX DESIGN (PORTLAND CEMENT):

All references to plans in the special provision should be interpreted as the specifications noted in this bid. The contractor will not be required to submit a Job Mix Design. Lee County will perform any testing necessary to determine the amount of Cement required. Lee County will specify the rate that the Cement shall be applied.

24. MECHANICAL CEMENT SPREADER AND MIXER:

(a) The mechanical cement spreader used shall be capable of distributing the cement uniformly at the required rate and at a minimum ten (10) feet wide in one pass.

(b) The mechanical mixer used to pulverize and mix the existing pavement, base, and sub-grade to the required depth shall have a minimum of 650 horsepower engine.

25. BITUMINOUS TREATMENT A:

Bituminous Treatment A and sand should be applied at the end of every day and prior to beginning the second lane of travel, if applicable. Yellow, 2-way, reflective pavement markers shall be placed along the centerline of the road upon completion of the prime and sand application, as determined necessary by the County Engineer, or his designee. Sweeping of the roadway may be required for the pavement markers to adhere to the Bituminous Treatment A.

26. BITUMINOUS TREATMENT G:

(a) The Bituminous Treatment G shall be placed within seventy-two (72) hours of written notice from the Lee County Engineer. Bituminous material used in the application of the G-Treatment shall be CRS-2P.



(b) Failure to place the Bituminous Treatment G within seventy-two (72) hours of written notice from the Lee County Engineer shall result in the County deducting \$500 from the contract price for each working day thereafter, until the Bituminous Treatment G is placed.

27. TEMPORARY TRAFFIC STRIPE:

Temporary traffic stripe shall be provided after placement of the Bituminous Treatment G and/or the Bituminous Binder/Wearing Surface, as directed by the County Engineer, or his designee.

28. RESIDENCE AND BUSINESS ACCESS:

The contractor shall maintain at least one access to businesses and residences during all phases of construction. Concrete driveway removal shall take place prior to full depth reclamation of the roadway to prevent damage to the prime and cement treated base. Item No. 430B-043 is to be used for flushing concrete driveways after removal of concrete and prior to paving operations and is to be placed as directed by the engineer.

29. TERM OF CONTRACT:

Contracts for work subject to Alabama's public works law are not eligible for renewal. Therefore, no additional work will be requested of the contractor after the final calendar day of the year in which the contract is awarded. However, any work requested, in writing, prior to such day shall be completed at the unit prices given in the proposal.

30. TIME PROVIDED FOR ADDITIONAL WORK:

Additional working days shall be provided at a rate of eleven (11) working days per additional centerline mile of roadway added to the project.

31. CITY OF SMITHS STATION, ALABAMA:

(a) To improve efficiency, pricing, and subject to the terms of this proposal, the City of Smiths Station (the City) may request, in writing, additional work of the contractor awarded Project No. LCP 41-RALR-23. The City shall enter into a written agreement with the contractor, that is mutually agreeable to the City and the contractor, for the contractor to provide labor, equipment, materials, and any incidentals necessary to complete any such work requested, on any public road maintained by the City, at the unit prices given in this proposal. Other than the asphalt material price adjustment described herein, under no circumstance shall work be requested, performed, or invoiced, under this proposal, at unit prices higher than those given herein.



(b) The City of Smiths Station, AL, Lee County, AL, and the contractor shall perform its responsibilities and activities described herein as an independent contractor and not as an officer, agent, or employee of any other party hereto. Each party shall be solely responsible for the acts and omissions of its officers, agents, employees, volunteers, contractors, and subcontractors, if any.

(c) Nothing contained herein shall be construed to relieve the City of Smiths Station from any reporting requirements or any other provision of the Rebuild Alabama Act or any other applicable local, state, or federal laws.



**PROPOSAL FOR
PROJECT NO. LCP 41-RALR-23
LEE COUNTY, ALABAMA**

TO: The County Commission of Lee County, Alabama

Dear Sirs:

The following proposal is made on behalf of _____ and no others. Evidence of authority to submit the proposal is herewith furnished. The proposal is made without collusion on the part of any person, firm, or corporation. This bid offering is intended to comply with the Rebuild Alabama Act, Act No. 2019-2, and Title 39 of the Alabama Code, 1975 edition as amended, the Alabama Public Works Law. Bidders shall be required to comply with the provisions of the Rebuild Alabama Act, Act No. 2019-02 and Title 39 of the Alabama Code regardless if the requirement is explicitly detailed in the bid proposal or not.

Sealed bids will be received by the Lee County Commission at 215 South 9th Street, Opelika, AL, 36801 until 10:00 AM Central Time on April 04, 2023, and then publicly opened as soon thereafter as practicable. Award will be made at the next regularly scheduled meeting of the Lee County Commission.

This project is being advertised, let to contract, and administered by an awarding authority other than the Alabama Department of Transportation (ALDOT). All references made in the standard specifications and in other related and included documents of this proposal, to ALDOT (except as applies to references made to ALDOT considering a bidder to be disqualified from bidding, or to the awarding authority consulting or interacting with ALDOT, etc.), the "State", the "Department" or "Highway Department", etc. shall be understood to mean the awarding authority for this project.

The undersigned certifies that he or she has carefully examined the plans for this project and the specifications hereto attached including the special provisions and have also personally examined the site of work. On the basis of the specifications and plans the undersigned proposes to furnish all necessary machinery, tools, apparatus, and other means of construction, and do all the work and furnish all the material in the manner specified.

The undersigned further agrees to complete all the work in:

Sixty-Five (65) Working Days

as defined in the most current revision of the Alabama Department of Transportation Standard Specifications. Each project shall designate the amount of working days or calendar days allowed. Should the undersigned fail to complete the project or projects awarded within the working days or calendar days stipulated, liquidated damages shall be assessed as defined in

Bidder's Initials: _____



section 108.10 in the current revision of the Alabama Department of Transportation Standard Specifications or as amended by Special Provision.

The undersigned understands that the quantities below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit price bid. Additional working days shall be provided, as detailed herein, if additional work is required. The undersigned further understands and specifically agrees that in making this proposal, in case of error in the extension of prices in the bid, the unit price will govern.

By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

The undersigned further proposes to begin the work within fifteen (15) days of receiving the Proceed Order should he/she be awarded the bid and to complete the work within the time specified.

Enclosed is a cashier's check, drawn on an Alabama bank, or a bidder's bond, payable to Lee County, for an amount not less than five percent (5%) of the amount bid, but in no event more than ten thousand dollars (\$10,000.00), as a bid guaranty. The undersigned hereby agrees that in case of his/her failure to execute a Contract and furnish the Performance Bond, the Payment Bond, and a certificate of insurance coverage as specified within fifteen (15) days after notice of award, the awarding authority shall retain from the proposed guaranty if it be a cashier's check, or recover from the principal or the sureties if the guaranty be a bid bond, the difference between the amount of the contract as awarded and the full amount of the proposal of the next lowest responsible bidder. If no other bids are received, the full amount of the proposal guaranty shall be so retained or recovered as liquidated damages for such default. It is understood that in case the work is not awarded to the undersigned, the check will be returned as provided in the Specifications hereto attached. The bidder's bond shall be prepared on the form attached to this proposal and issued by a surety company authorized to do business in the State of Alabama.

Upon notification of award of the bid, the undersigned, within fifteen (15) days, proposes to furnish a Performance Bond equal to 100% of the total amount of the bid and a Payment Bond equal to 50% of the total amount of the bid to Lee County. The undersigned also proposes to furnish a certificate of insurance coverage in the amounts specified in this proposal.



The undersigned shall submit the Advertisement of Project Completion to Lee County immediately following the completion and acceptance of all work required. The County Engineer will submit the advertisement to the Association of County Commissions of Alabama (ACCA) to be posted on a website maintained by ACCA for a period of four consecutive weeks.

The undersigned shall give notice of the project completion by advertising for four consecutive weeks in a newspaper of general circulation published within the city of county where the work has been performed.

Upon completion and acceptance of all work required, the undersigned will be paid upon presentation of the following:

- a. A properly executed and duly certified voucher for final payment.
- b. A release of all claims and claims of liens against the awarding authority arising by virtue of the contract.
- c. Proof of Advertisement of project completion (AL Code 39-1-1(f) requires a 30 day waiting period after the notice has run before final settlement can be made)

The undersigned agrees: Final payment will be made within 35 days after all the above requirements are met; Partial Payments, to be paid no more than monthly, will be provided under this contract; Retainage shall be withheld as required under Code of Alabama Section 39-2-12.



BID ITEMS

PROJECT NO: LCP 41-RALR-23

The following items shall be constructed in accordance with the Alabama Department of Transportation Standard Specifications for Highway Construction, most current edition, except as modified herein.

NOTES:

1. All contractors and material suppliers shall be listed on ALDOT's list of approved contractors and suppliers. Bidder must also have at least 2+ years' experience in full depth reclamation work.
2. The following unit prices shall include all labor, materials, equipment, equipment rental, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.
3. Bidder understands that the Owner reserves the right to reject any and all bids.
4. Use of asphalt shingles shall NOT be allowed in the bituminous concrete wearing surface layer. Submittal of a job mix formula for all asphalt pay items and approval by the Lee County Engineer, prior to beginning paving operations, shall be required.
5. All Quality Control aspects for Hot Mix Asphalt Pavement shall be the responsibility of the Contractor. Quality Assurance of the bituminous concrete wearing surface layer shall be the responsibility of the Lee County Highway Department and accomplished by conducting assurance/verification testing, on a random basis, of independent samples obtained by a third party employed by Lee County, at a frequency of one or more per day, as determined necessary by the Lee County Engineer. Acceptance of the mixture shall be in accordance with the most current edition of the ALDOT Standard Specifications for Highway Construction.
6. Item 424A-346 B.M.D. and 424A-349 B.M.D. shall meet the Balanced Mix Design Asphalt Specifications contained herein. For this pay item 35% shall be the maximum allowable recycled asphalt plant mix (RAP). Submittal of a job mix formula and approval by the Lee County Engineer, prior to beginning paving operations, shall be required.

SEE FOLLOWING PAGE

Bidder's Initials: _____



ITEM NO.	DESCRIPTION	UNITS	QUANTITY	UNIT COST	BID AMOUNT
206C-010	REMOVING CONCRETE DRIVEWAY	SQ. YD.	165.0		
302A-000	FULL DEPTH RECLAMATION, 6 INCHES DEEP	SQ. YD.	46,442.0		
302A-000	FULL DEPTH RECLAMATION, 8 INCHES DEEP	SQ. YD.	23,467.0		
302B-000	PORTLAND CEMENT FOR FULL DEPTH RECLAMATION	TON	1,085.0		
401A-000	BITUMINOUS TREATMENT A	SQ. YD.	69,909.0		
401B-108	BITUMINOUS TREATMENT G (W/ POLYMER ADDITIVE)	SQ. YD.	65,981.0		
405A-000	TACK COAT	GAL.	99.0		
408A-053	PLANING EXISTING PAVEMENT (2.1" THRU 3.0")	SQ. YD.	15,138.0		
424A-346 B.M.D.	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (SEE NOTES 4, 5, & 6)	TON	5,444.0		
424A-349 B.M.D.	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, WIDENING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (SEE NOTES 4, 5, & 6)	TON	164.0		
424B-700	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 3/8" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	273.0		
430B-043	AGGREGATE SURFACING (1" DOWN CRUSHER RUN)	TON	1,553.0		
680A-001	GEOMETRIC CONTROLS	L.S.	1.0		
701A-004	SOLID WHITE, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	4.0		
701A-008	BROKEN YELLOW, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	1.0		
701A-012	SOLID YELLOW, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	5.0		
701C-000	BROKEN TEMPORARY TRAFFIC STRIPE	MILE	3.0		
701C-001	SOLID TEMPORARY TRAFFIC STRIPE	MILE	1.0		
701G-252	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) RUMBLE STRIP	LINEAR FOOT	225.0		
703A-002	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	SQ. FT.	350.0		
705A-032	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	EACH	66.0		
705A-037	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	EACH	88.0		
740B-000	CONSTRUCTION SIGNS	SQ. FT.	1,150.0		
740E-000	CONES (36 IN. HIGH)	EACH	25.0		
740F-002	BARRICADES, TYPE III	EACH	25.0		
740M-001	BALLAST FOR CONE	EACH	25.0		
740O-000	PILOT CAR	EACH	1.0		

TOTAL	
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Bidder's Initials: _____



ALABAMA DEPARTMENT OF TRANSPORTATION

SECTION 302

FULL DEPTH RECLAMATION WITH PORTLAND CEMENT (MODIFIED BY LEE COUNTY, AL FOR USE WITH THIS PROJECT)

302.01 Description.

Full Depth Reclamation with Portland cement shall consist of pulverizing and mixing the in place existing materials as shown in the plans with Portland cement and water to produce a uniform mixture and then compacting the mixture to serve as a base course for pavement.

302.02 Materials.

(a) CEMENT.

Cement shall meet the requirements given in Section 815 "Cement" for Type I or Type II Portland Cement.

(b) WATER.

Water shall meet the requirements given in Section 807.

302.03 Construction Requirements.

(a) OFFSET REFERENCE FOR THE ESTABLISHMENT OF THE ROADWAY ALIGNMENT.

The Contractor shall establish offset reference points before beginning of construction so that the original alignment of the roadway (centerlines, edges of pavement, etc.) will be restored during construction.

~~(b) JOB MIX DESIGN.~~

~~A "Job Mix Design" is a listing of all components of the mixture required for the full depth reclamation. If a Job Mix Design is shown on the plans the Contractor shall use that mix design for the full depth reclamation work. If a Job Mix Design is not shown on the plans the Contractor shall determine the composition of the Job Mix Design and submit it to the Engineer for review. The Engineer will forward the proposed Job Mix Design to the Materials and Tests Engineer for approval.~~

~~Job Mix Designs shown on the plans and submitted Job Mix Designs approved by the Materials and Tests Engineer shall not be changed without written approval of the Engineer. The Contractor shall submit the proposed changes to the Engineer with an analysis of the need for the change. The Engineer will forward the proposed change to the Materials and Tests Engineer for approval.~~

~~(c) SUBMITTAL OF A PROPOSED JOB MIX DESIGN BY THE CONTRACTOR.~~

~~The Contractor shall submit a proposed Job Mix Design no later than 21 Calendar Days after the date of Notice to Proceed. The Department will be allowed 21 Calendar Days to complete the verification and approval of the Job Mix design. The composition of a Job Mix Design submitted by the Contractor shall be established in accordance with the requirements given in ALDOT 416, "Laboratory Design of Soil-Cement and Full-Depth Reclamation Mixes". More than one Job Mix Design may be required due to the variability of the existing roadbed materials. Each proposed Job Mix Design and samples of the roadbed materials for each design shall be submitted for evaluation and approval.~~

~~The Contractor shall submit five copies of each proposed Job Mix Design to the Materials and Tests Engineer for approval. All of the requirements given in ALDOT 416 shall be addressed in the Contractor's submittal of the Job Mix Designs. Construction of full depth reclamation shall not begin until the Engineer returns a copy of each approved Job Mix Design to the Contractor.~~

~~The Contractor shall submit 75 pounds of composite representative samples of the existing roadbed materials and 5 pounds of the cement proposed for each proposed Job Mix Design. The Contractor shall sample the existing roadbed materials at least every 1000 feet along the roadbed. Samples shall be obtained from all layers to be reclaimed. These materials shall be submitted to the Materials and Tests Engineer with the Job Mix Design submittal.~~

Bidder's Initials: _____



(d) QUALITY CONTROL.

The Contractor shall provide and maintain a quality control plan to provide assurance that the full depth reclamation is constructed in accordance with the contract requirements.

The Contractor shall submit ~~six~~ two copies of a "Quality Control Plan for Full Depth Reclamation" to the Engineer for review prior to the preconstruction conference. This plan shall include the following minimum requirements:

- The procedure, equipment, and frequency for monitoring the amount of cement placement.
- The procedure, equipment, and frequency for monitoring the material characteristics of the reclaimed material.
- The procedure, equipment, and frequency for monitoring the amount of water, and depth of pulverization of the reclaimed material during mixing.
- The procedure, equipment and frequency for monitoring the reclaimed material moisture during production.
- The procedure, equipment and frequency for monitoring the density and moisture content of the in-place full depth reclamation.
- List of all equipment to be used during the construction of full depth reclamation.
- Production rates.
- The procedure for correcting problems such as equipment breakdown, weather related failures, and poor workmanship as determined by the Engineer
- The procedure and equipment for repairing full depth reclamation not meeting the project requirements.
- Other information requested by the Engineer during the Pre-Construction conference.

~~The Contractor shall present weekly documentation to the Engineer that the work is being monitored in accordance with the requirements given in the quality control plan.~~

The County Engineer will ~~not approve~~ review the Contractor's "Quality Control Plan for Full Depth Reclamation" ~~but will review it~~ for completeness and determine when a satisfactory plan has been submitted. An incomplete or unsatisfactory plan will be returned to the Contractor. Construction shall not begin until the Engineer returns one copy of the plan to the Contractor and informs the Contractor in writing that no further information will be required. The Engineer will stop the production of full depth reclamation if the Contractor does not perform the work in accordance with the submitted plan.

(e) WEATHER LIMITATIONS.

All full depth reclamation operations including pulverizing, mixing, compaction, finishing, and curing shall be continuous and completed during daylight hours.

No full depth reclamation shall be constructed when the ambient temperature is below 40 °F without written permission of the Engineer.

Working on full depth reclamation construction will not be allowed when it is raining or the possibility or rain is imminent. The Engineer will decide base on weather reports if the possibility of rain exists.

~~Any full depth reclamation construction placed under such conditions shall be at the contractor's risk and shall be reconstructed, as directed by the engineer, without extra compensation should it prove unsatisfactory.~~

(f) EQUIPMENT.

The Engineer will prohibit the use of any piece of equipment that does not, produce acceptable results.

The Contractor shall not begin the spreading of cement until the Engineer informs the Contractor that the proposed equipment and method of monitoring cement placement is adequately described in the quality control plan.

Equipment shall include a mechanical cement spreader of a type that has an adjustable rate of flow and will distribute the cement uniformly at the required rate in one pass. Pneumatic distribution of cement is prohibited.

A mechanical mixer shall be used that is capable of pulverizing and mixing the existing pavement, base and sub-grade to the required depth. The mechanical mixer shall be capable of pulverizing the material so that 100 % passes a 2 inch sieve. The mixer shall have a metered water system for adding water directly into the mixing chamber. Water shall not be applied from equipment that is not a part of the mixer.

Bidder's Initials: _____



(g) LENGTH OF ROADBED ALLOWED TO BE PROCESSED.

Except by written permission of the Engineer, the length of roadbed pulverized at any time shall not exceed the length that can be completely pulverized, mixed and compacted in the same working day.

(h) INITIAL PULVERIZING AND MIXING.

The width and depth of the required pulverizing and mixing will be shown on the plans. The depth of pulverizing shall be controlled to ensure that the finished thickness will be within the required tolerance limits.

The pulverizing and mixing shall break up the existing roadbed to the extent that 100 % by weight passes a 3 inch sieve, a minimum of 95 % passes a 2 inch sieve and a minimum of 50 % passes the No. 4 sieve. The moisture content shall be maintained within ± 2 % of the theoretical optimum moisture content unless approved otherwise by the Engineer.

The Engineer will check the gradation at least once for each 2000 linear feet or fraction thereof of each lane. Preliminary pulverization and mixing of the roadbed materials will be allowed prior to final pulverization and mixing of the roadbed materials and cement to ensure uniformity of the mixture. The Engineer will monitor the pulverization in accordance with BMT-80, "Rate of Spread and Pulverization of Cement Stabilized Soil".

(i) SPREADING OF CEMENT.

Spreading of the cement shall be done to produce a uniform distribution. The amount of cement placed shall not vary more than 5 % by weight from the approved Job Mix Design.

Cement dust shall be controlled by the Contractor so that dust is kept within the confines of the construction limits. Spreading of the cement when the wind or other weather conditions are unfavorable will not be permitted. Spreading of the cement by motor grader will not be acceptable.

Cement shall be applied in a limited area so that all the operations including compaction, finishing, and curing can be continuous and completed in daylight hours, within three hours of the application of the cement.

Only the equipment that is used in spreading and mixing will be allowed to pass over the spread cement before it is mixed into the existing materials. Cement that has been displaced shall be replaced before mixing is started.

(j) MIXING WATER WITH CEMENT AND PULVERIZED MATERIALS.

Water shall be mixed into the mixture of cement and pulverized roadbed materials. The addition of water and the mixing shall be completed in one continuous pass. The mixture of the water, cement, and pulverized roadbed materials shall be within the tolerance limits of theoretical optimum moisture content and shall be suitable for immediate compaction without further mixing or grading.

A gage or gages shall be provided to allow the continuous monitoring of the amount of water that is applied.

When the mixer will handle only a part of the roadbed width within a single lane, the successive increments shall be limited in length so that a cold joint will not be formed within the lane being constructed and the full width of lane of treated material will be promptly mixed, compacted, and finished.

When the moisture content of the uncompacted mixture exceeds the specified tolerance for compaction, the entire affected section shall be reconstructed at the Contractor's expense.

(k) COMPACTION AND FINISHING.

The pulverizing, mixing, and compaction shall be a continuous operation. The compaction of the mixture of water, cement, and roadbed materials shall begin within 30 minutes after the final mixing. The mixture shall be compacted to 96.0% of theoretical maximum density as established in the approved Job Mix Design in accordance with AASHTO T 134. ~~The in-place density will be measured in accordance with the requirements given in AASHTO T 310, Direct Transmission Method only. The in-place density will be measured at least once for each 1000 linear feet or fraction thereof of each lane.~~ After the full depth reclamation is complete and the section is allowed to cure for a minimum of 48 hours, it will be subject to an inspection by proof rolling, under the supervision of the County, with a fully loaded tri-axle dump truck (provided by the County) to check for soft or yielding areas. Contractor will be required to sweep all sand from the road prior to the proof roll. Compaction and finishing shall be completed within a period of two hours after the initial mixing of the cement.

After the mixture has been compacted, the surface shall be shaped to the required lines, grades, and cross sections and within the required tolerances. During the shaping, light scarifying may be necessary to prevent

Bidder's Initials: _____



the formation of compaction planes. Broom dragging or clipping of the surface may be required as a part of the process of shaping the surface during compaction. The surface material shall be maintained at the specified moisture content during finishing operations.

At the end of each day's construction, a clean, straight, vertical, transverse construction joint shall be formed by cutting back to the full width and thickness of completed work.

(l) TESTING, TOLERANCE, AND DEFICIENCY CORRECTION.

1. GENERAL.

Areas of the full depth reclamation that are not within the required tolerances of thickness, density, and surface finish; **or, do not pass the proof roll** shall be reconstructed as directed by the Engineer without additional compensation. **Any area that has failed a proof roll and been reconstructed by the contractor as directed by the engineer; and, then does not pass a subsequent proof roll shall result in the contractor being reimbursed for work performed under item no. 302A and 302B. The failing area shall then be reconstructed by the County at no cost to the project.** The amount of cement required for reconstruction will be in accordance with the approved Job Mix Design.

2. CEMENT SPREAD RATE.

The Contractor shall furnish and use a square piece of canvas that is one square yard in size for checking the spread rate. The canvas shall be weighed prior to cement placement each time placement rates are checked. After weighing, the canvas shall be placed ahead of the spreading operation. The canvas and cement shall be weighed after the spreader has passed over the canvas. The Contractor shall perform this measurement in the presence of the Engineer and report the measured spread rate to the Engineer. Adjustments shall be made and repeated testing will be required to insure that the required rate is being placed.

The cement spread rate shall be checked each day before beginning production placement and for each 2000 linear feet or fraction thereof of spreading in each lane.

The Engineer will record the amount of cement placed in accordance with BMT-80, "Rate of Spread and Pulverization of Cement Stabilized Soil".

3. THICKNESS.

The thickness of the reconstructed roadbed will be checked by the Engineer at intervals of one test per 200 feet or fraction thereof of lane, or more often if necessary. The thickness of the entire reconstructed layer or layers shall not vary by ± 1 inch from that shown on the plans. Any section deficient by more than 1 inch shall be immediately reconstructed in accordance with all of the requirements given in this Section for full depth reclamation. Any section out of tolerance shall have additional cement added to correct the composition of the full depth reclamation mixture and shall be remixed and recompact to the required depth, width and density.

4. SURFACE FINISH.

The Contractor shall be responsible for roadbed grade controls and for providing the equipment necessary to conduct such controls. The Contractor's personnel shall conduct all surface finish measurements at the frequency indicated herein in the presence of an ~~an~~ **ALDOT County** inspector. The ~~Department~~ **County** will conduct random verification of the surface finish.

~~The surface finish shall be checked at least twice within intervals not to exceed 100 feet along the roadway as determined necessary by the Engineer.~~

The finished surface shall not vary more than ~~1/4~~ **1/2** of an inch from a ~~16-foot~~ **straightedge placed 25 foot string pulled taut** anywhere on the surface, parallel to the centerline of the roadbed. The finished surface shall not vary more than ~~1/4~~ **3/8** of an inch from a 10 foot straightedge placed anywhere on the surface perpendicular to the centerline of the roadbed.

The cross slope shall not vary by ± 0.50 % from the required slope as shown on the plans.

High spots in the finished surface may be corrected by motor grader or planer without additional compensation, provided the resulting thickness is within the allowable tolerances.

(m) CURING.

The Contractor shall cover the finished surface with a prime coat within 24 hours from completion of compaction. The prime coat shall be maintained until a pavement layer or additional surface treatment is applied. The prime coat shall be as specified in the plans and shall be placed and paid in accordance with the requirements given in Section 401.

Bidder's Initials: _____



(n) WORKMANSHIP.

Any subgrade deficiencies shall be determined by the Engineer. The Contractor will be given a specific time to repair any deficiencies without any additional compensation.

(o) OPENING TO TRAFFIC.

Completed sections of the full depth reclaimed roadbed may be opened when necessary to lightweight local traffic, provided the surface has hardened sufficiently to prevent marring or distorting of the surface, and provided the curing is not impaired. Construction equipment shall not operate on the full depth reclamation sections except as necessary to discharge into the spreader during paving operations. If the full depth reclaimed roadbed is impaired by premature opening to traffic, the entire affected section shall be reconstructed at the Contractor's expense.

302.04 Method of Measurement.

Full Depth Reclamation will be measured in units of square yards. The length of a lane will be measured along the center of the lane. The width of a lane will be the width shown on the plans. Additional areas required for crossovers, turnouts, etc., will be determined by the measurement of the length and width along the surface of the reclaimed area.

Cement will be measured in units of tons.

302.05 Basis of Payment.

(a) UNIT PRICE COVERAGE.

The contract unit price for Full Depth Reclamation shall be full compensation for furnishing all materials (except Portland cement and Bituminous Treatment for curing) equipment, tools, labor, and incidentals necessary to complete the work.

The contract unit price for Portland cement for Roadbed Reclamation shall be full compensation for furnishing and applying the cement to complete the work of Full Depth Reclamation. Payment will only be made for the actual amount of cement applied to the reclaimed roadbed.

~~Additional soil or aggregate material required to construct the roadbed to the required plan grade and section, and any unsuitable material excavated, will be measured and paid for under the appropriate item of Unclassified Excavation or Borrow.~~

Unless otherwise covered by a separate pay item, the cost of excavation for widening, compacting the subgrade, backfilling, spreading, clipping, or disposing of excess excavated or clipped material, removal and disposal of old pavement, removal and resetting of roadway signs, and removal and disposal of pavement markers shall be subsidiary obligations of the associated full depth reclamation pay item, and no additional payment will be made for performing the work.

(b) PAYMENT WILL BE MADE UNDER ITEM NO.

302-A Full Depth Reclamation, ___ inches Thick- per square yard

302-B Portland Cement for Full Depth Reclamation - per ton

Bidder's Initials: _____



BALANCED MIX DESIGN ASPHALT SPECIFICATIONS

Materials to be in compliance with Section 424 of the State of Alabama Highway Department Standard specifications for Highways and Bridges, 2018 Edition, with the exception that production mix volumetric testing/frequencies using N_{des} samples are to be replaced with mix performance testing/frequencies using height compacted samples. **The contractor must also ensure that air voids at N_{des} do not drop below 1 percent.**

ASTM D8225 (replacing the word “deformation” with “displacement” in Section 6.1.1) will be run at 77°F to ensure average CT_{Index} values equal or exceed 50 at intermediate temperature to prevent cracking. Testing will be repeated at 122°F on identically prepared samples to ensure average indirect tensile strength at high temperature equals or exceeds 17 psi to prevent rutting.

Mix proportions necessary to satisfy performance results will be established via test strip. Mix performance testing will be run within the first 100 tons of shipped mix each day, and testing will be repeated if mix is still being shipped after 5 hours and the total shipped tonnage for the day exceeds 500. Failing results will necessitate retesting. A second set of failing results will necessitate a new test strip to reestablish mix proportions.

All mixes (regardless of maximum aggregate size and placement layer) can contain up to 35 percent reclaimed and recycled asphalt plant mix, and specified virgin aggregate properties (with the exception of minimum bulk specific gravity, absorption, deleterious materials, LA abrasion, and carbonate stone limitations for coarse aggregates and minimum bulk specific gravity and sand equivalency for fine aggregates) may be waived provided all stockpiles meet the requirements of ALDOT-249 and mix performance testing results exceed minimum values. **In no case can recycled asphalt shingles be used in the mix.**

Bidder's Initials: _____



The undersigned hereby states that this Bid Proposal is to the best of their knowledge; their true and correct bid, except for changes initiated herein, and is submitting these bid items for review and consideration.

Signature of Bidder (If Firm or Individual) _____

By: _____

Address of Bidder _____

Name and Address of Member of Firm _____

Signature of Bidder (Corporation) _____

Print Name: _____

_____ **Business Address** _____

Signature of President

Print Name: _____

_____ **Business Address** _____

Signature of Secy. & Treas.

Print Name: _____

Attest: _____ **Incorporated in** _____

State

(Corporate Seal)

Bidder's Initials: _____



BIDS WILL NOT BE CONSIDERED UNLESS THIS FORM FOR BID BOND IS USED AND IS SIGNED IN INK BY PRINCIPAL AND SURETY.

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____ of
(Name of Contractor)

(Address)

as Principal, and _____ of
(Name of Surety)

_____, as Surety,
(Address)

are held firmly bound unto LEE COUNTY COMMISSION, a Political Subdivision of and Body Corporate in the State of Alabama as Obligee, in the full and just sum of FIVE PERCENT (5%) OF AMOUNT BID (Maximum Amount of Bond \$10,000), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal is herewith submitting its proposal for

LCP 41-RALR-23

The condition of this obligation is such that if the aforesaid Principal shall be awarded the contract the said Principal will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms of and conditions of the Contract, then this obligation to be void; otherwise, the Principal and the Surety will pay unto the Obligee the difference in money between the amount of the Contract as awarded and the amount of the proposal of the next lowest responsible bidder, which amount shall not exceed \$10,000. If no other bids are received, the full amount of the proposal guarantee shall be so retained or recovered as liquidated damages for such default.

Witness our hands and seals this _____ day of _____, 20_____.

Signature of Individual Bidder: (Use only where bidder is an individual)

_____, Doing business as _____
(Name of Individual) (Business Name)

Business Mailing Address: _____
(Mailing Address)

Bidder's Initials: _____



Name of Corporation, Partnership, or Joint Venture:

(Name of Partnership, Joint Venture or Corporation)

Business Mailing

Address: _____

(Address)

BY: _____ (L.S.)
(Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for Firm)

Business Mailing

Address: _____

(Address)

BY: _____ (L.S.)
(Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for Firm)

Business Mailing

Address: _____

(Address)

BY: _____ (L.S.)
(Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for Firm)

(Corporate Seal)
Attest:

(Secretary)

Name of State under the laws of which the
Corporation was chartered:

(State)

(Corporate Seal)
Attest:

(Secretary)

Name of State under the laws of which the
Corporation was chartered:

(State)

SURETY: _____
(Name of Surety)

BY (AGENT): _____
(Attorney in Fact)

AGENT'S ADDRESS: _____

(Mailing Address)

NOTICE: Valid Power of Attorney Must Be Attached.

Bidder's Initials: _____
Page **23** of **28**



INSURANCE REQUIREMENTS

The Contractor, at its sole expense, shall obtain and maintain in full force the following insurance to protect the Contractor and the County Commission of Lee County, Alabama at limits and coverages specified below. These limits and coverages specified are the minimum to be maintained and are not intended to represent the correct insurance needed to fully and adequately protect the Contractor. The requirements shown for “large projects” are for those projects whose bid are greater than or equal to \$250,000. The requirements shown for “small projects” are for those with bids less than \$250,000.

All insurance will be provided by insurers licensed to conduct business in the State of Alabama and shall have a minimum A.M. Best rating of A- VII and must be acceptable to the County Commission of Lee County, Alabama. Self-insured plans and/or group funds not having an A.M. Best rating must be submitted to the County Commission of Lee County, Alabama for prior approval.

No work shall be performed until proof of compliance with the insurance requirements has been received by the County Commission of Lee County, Alabama.

(a) Worker’s Compensation and Employers Liability

Part One: Statutory Benefits as required by the State of Alabama

Part Two: Employers Liability

	<u>Large Projects</u>	<u>Small Projects</u>
Each Accident	\$2,000,000	\$500,000
Each Employee	\$2,000,000	\$500,000
Policy Limit	\$2,000,000	\$500,000

- i. U. S. Longshoremen & Harborworkers’ Act (USL&H) –
Required if contract involves work near a navigable waterway that may be subject to the USL&H law.
- ii. Maritime Endorsement (Jones Act) –
Endorsement required if contract involves the use of a Vessel.
Or include coverage for “Master or Members or Crew” under “Protection and Indemnity” coverage



	<u>Large Projects</u>	<u>Small Projects</u>
Bodily Injury by accident (Each Accident)	\$2,000,000	\$500,000
Bodily Injury by disease (Aggregate)	\$2,000,000	\$500,000

(b) Commercial General Liability

Coverage on an Occurrence form with a combined single limit (Bodily Injury and Property Damage combined) as follows:

	<u>Large Projects</u>	<u>Small Projects</u>
Each Occurrence	\$2,000,000	\$500,000
Personal and Advertising Injury	\$2,000,000	\$500,000
Products/completed Operation Aggregate	\$2,000,000	\$500,000
General Aggregate	\$2,000,000	\$500,000

- Coverage to include:
 - Premises and operations
 - Personal Injury and Advertising Injury
 - Independent Contractors
 - Blanket Contractual Liability
 - Explosion, Collapse and Underground hazards
 - Broad Form Property Damage
 - Products/Completed Operations - This shall remain in effect for 24 months beyond completion and acceptance by owner of the project, whichever is later.
 - Railroad Protective Liability Insurance if work involves construction, demolition or maintenance operations on or within 50 feet of a railroad.

- The contractor shall name the County Commission of Lee County, Alabama, its officers, appointees, employees, and agents as additional insured for claims arising out of the Contractors and/or Subcontractors work. The ISO Form CG 20 10 11 85 or a comparable form that is no more restrictive shall be required. The Additional Insured form MUST include



the current Operations and Products/Completed Operations of the contractor. The naming of the additional insured does not obligate the additional insured to pay any premiums due.

- Aggregate limits to be on a “per project” basis OR an Owners and Contractors Protective Liability Policy shall be provided in the name of County Commission of Lee County, Alabama, the contractor and Subcontractors. Limits to be the same as above Commercial General Liability.

(c) Automobile Liability

Covering all Owned, Non-Owned, and Hired vehicles with a Combined single limit (bodily injury and property damage combined) of \$2,000,000 each accident for **large** projects and \$500,000 for **small** projects. The policy shall name the County Commission of Lee County, Alabama its officers, appointees, employees, and agents as an Additional Insured.

(d) Protection and Indemnity Insurance

If the contract involves work aboard an Owned, Non-Owned or Hired Vessel, Liability coverage in the amount of \$2,000,000 per occurrence shall be maintained.

(e) Indemnification and Liability

Under this section the term County shall include Lee County, the Lee County Commission, the officers, appointees, department heads, agents, and employees of the Lee County Commission.

The County shall not be liable for any injury to the person or property of any person, firm, or corporation resulting directly or indirectly from Contractor’s performance of this Contract, and the Contractor assumes full and complete responsibility therefore.

The Contractor shall further indemnify the County and hold the County safe and harmless from any and all liability, lawsuits, judgments, attorney fees, and other costs incurred by the County in defending any claim or lawsuit made against the



County by any person, firm, or corporation arising directly or indirectly out of any work performed by the Contractor pursuant hereto or any breach or alleged breach of duty or responsibility of the Contractor related thereto.

Waiver of Subrogation

The Workers Compensation Policy shall contain a Waiver of Subrogation in favor of the County Commission of Lee County, Alabama, its officers, appointees, employees, and agents.

Certificate of Insurance

A Certificate of Insurance evidencing the above minimum requirements must be provided to and accepted by the County Commission of Lee County, Alabama PRIOR to commencement of any work on the contract. Each policy shall be endorsed by the issuing insurer to provide thirty (30) days prior written notice of cancellation to the County Commission of Lee County, Alabama.



END OF PROPOSAL



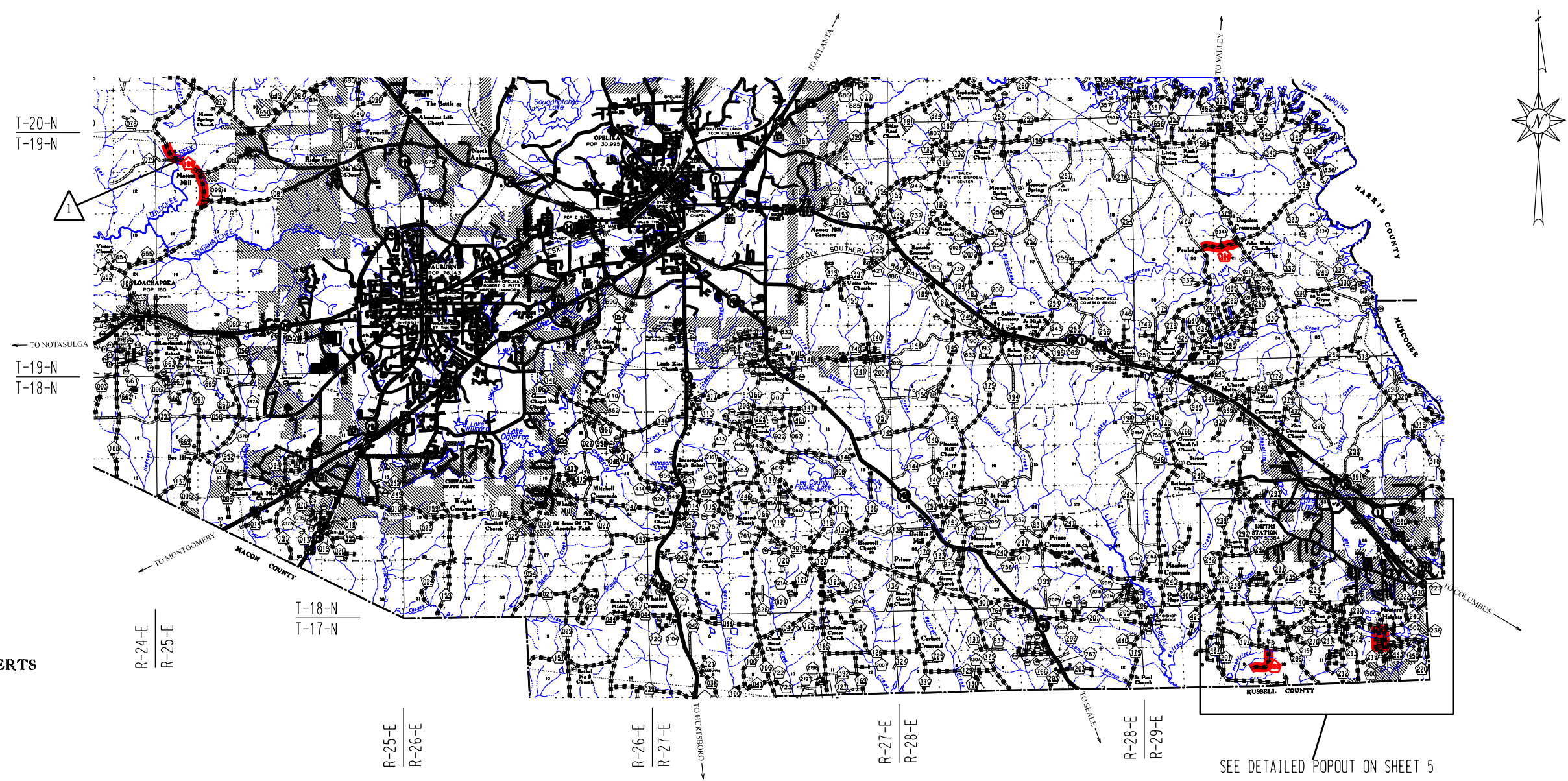
INDEX TO PROJECT

LEE COUNTY

PLANS OF PROPOSED PROJECT NO. LCP 41-RALR-23 FULL DEPTH RECLAMATION, PAVE, AND TRAFFIC STRIPE ON VARIOUS PUBLIC ROADS IN LEE COUNTY, AL

STATE	REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.	LAST SHEET NO.
AL	LCP 41-RALR-23	2023	1	8

These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2023 Edition.



IN PLACE BRIDGES

- STRIPE ONLY

REQUIRED BRIDGES & BRIDGE CULVERTS

- NONE -

EQUATIONS & EXCEPTIONS

- NONE -

	FEET	MILES
TOTAL STATIONING OF PROJECT	31,373.76	
EQUATIONS AND EXCEPTIONS	0.00	
NET LENGTH OF PROJECT	31,373.76	5.942
NET LENGTH OF BRIDGES	0.00	0.000
NET LENGTH OF ROADWAYS	31,373.76	5.942

* PROJECT LOCATIONS INCLUDED IN THE PROPOSAL ARE HIGHLIGHTED IN RED. *

POPULATION BASED ON 2020 CENSUS

SEE DETAILED POPOUT ON SHEET 5

COUNTY ENGINEER

INDEX TO SHEETS & STANDARD DRAWINGS

PROJECT NO. LCP 41-RALR-23

LEE COUNTY

SHEET NO.	1	TITLE SHEET
SHEET NO.	1A-1B	INDEX TO SHEETS & STANDARD DRAWINGS
SHEET NO.	2	TYPICAL SECTION
SHEET NO.	2A	PROJECT NOTES
SHEET NO.	3	SUMMARY OF QUANTITIES
SHEET NO.	4	PROJECT DETAILS AND MIX DESIGNS
SHEET NO.	5	POPOUT FROM LOCATION MAP
SHEET NO.	6	TRAFFIC CONTROL PLAN - DETAILS FOR LANE CLOSURE TWO LANE HIGHWAY PILOT CAR AND/OR CONE APPLICATION
SHEET NO.	7-7A	TRAFFIC CONTROL PLAN - STANDARD NOTE SHEETS
SHEET NO.	8	TRAFFIC CONTROL PLAN - EXAMPLE ROAD CLOSED PLAN

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2023 WHICH APPLY TO THIS PROJECT.

INDEX NO.	DRAWING NO.	DESCRIPTION
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION
66501	ESC-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	ESC-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	ESC-200-1	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER
66512	ESC-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS

INDEX TO SHEETS & STANDARD DRAWINGS

PROJECT NO. LCP 41-RALR-23

LEE COUNTY

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
LCP 41-RALR-23	2023	1B

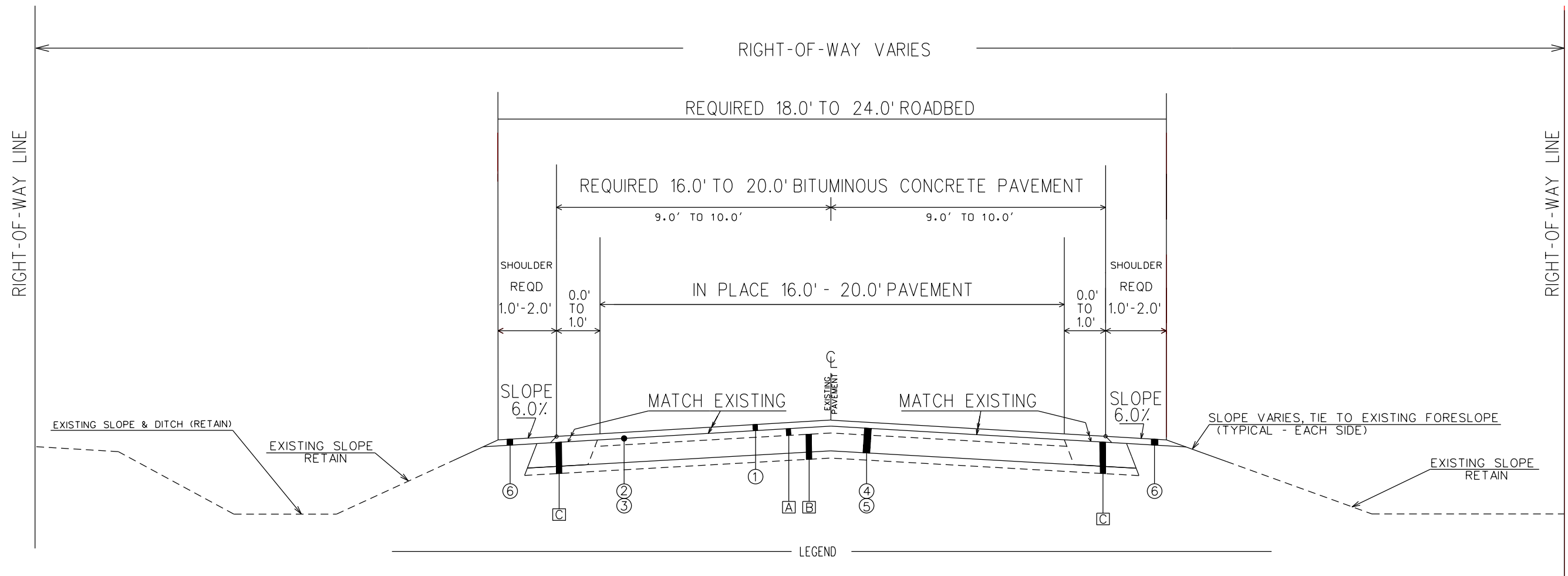
THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION
SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2023 WHICH APPLY TO THIS PROJECT.

INDEX NO.	DRAWING NO.	DESCRIPTION
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECKS
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66516	ESC-300-5	DETAILS OF SILT DIKE DITCH CHECKS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECK WITH SUMP EXCAVATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501	FLOATING BASIN BOOM
66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
66541	ESC-505	TEMPORARY STREAM DIVERSION
66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
67201	ESC-508	FLOCCULANT USAGE GUIDE
68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
70101	PS-701-6	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
70104	197-NPL	DETAILS OF NO PASSING LINES FOR TWO LANE, TWO DIRECTION ROADWAY
70183	PM-705-5	DETAILS OF THERMOPLASTIC RUMBLE STRIPS
70302	TCM-703 (SHEET 2 OF 2)	PAVEMENT LEGENDS AND MARKINGS DETAILS
70501	PM-705-1	DETAIL OF PAVEMENT MARKERS CLASS A, A-H AND B
70504	PM-705-2	DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS
71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
71032	IHS-710-21	DETAIL FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
71067	SHS-8	STANDARD HIGHWAY SIGNS
71092	SHS-28	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS
71094	SHS-30	STANDARD HIGHWAY SIGNS
71095	SHS-31	STANDARD HIGHWAY SIGNS
74001	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE-I, TYPE-II, TYPE-III & VERTICAL PANELS TYPE-I AND TYPE-II
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES

TYPICAL SECTION

PROJECT NO. LCP 41-RALR-23

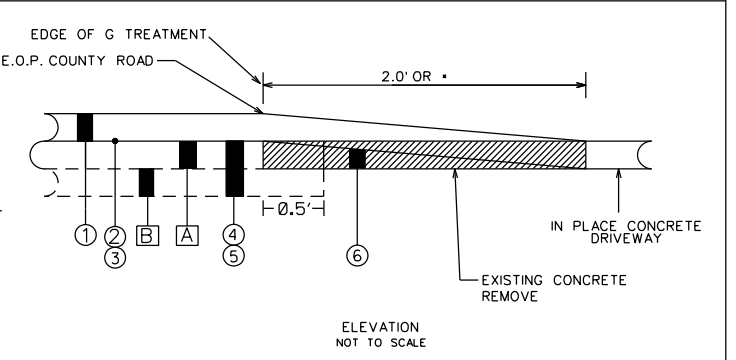
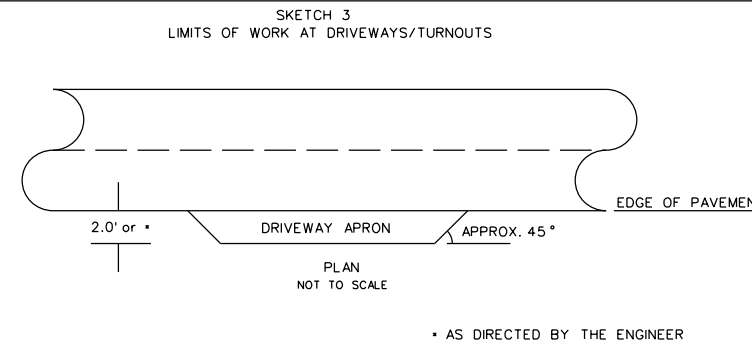
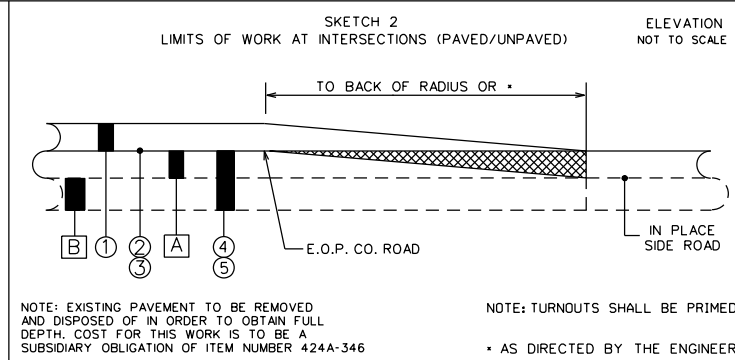
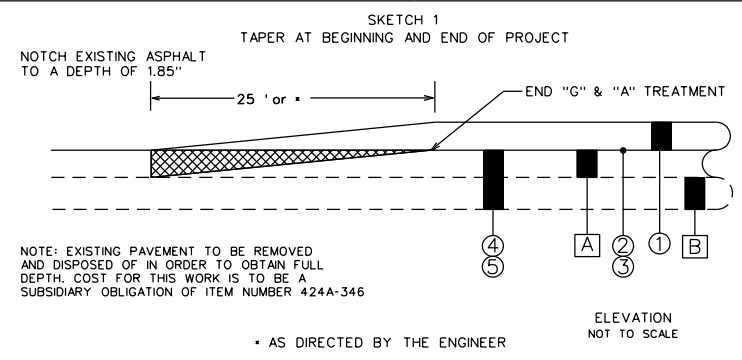
LEE COUNTY



PROJECT NOTES

- 200
- 201
- 202

NO.	ITEM NO.	UNIT	DESCRIPTION
①	424A-346	TON	REQUIRED: SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (APPROXIMATELY 145 TO 165 LB/SY) (16' TO 20' WIDE)
②	401B-108	SQUARE YARD	REQUIRED: BITUMINOUS TREATMENT "G", (WITH POLYMER ADDITIVE) (PLACED 16' TO 20' WIDE)
③	401A-000	SQUARE YARD	REQUIRED: BITUMINOUS TREATMENT "A" (PLACED 17' TO 21' WIDE)
④	302A-000	SQUARE YARD	REQUIRED: FULL DEPTH RECLAMATION, 6 TO 8 INCHES THICK (17' TO 21' WIDE)
⑤	302B-000	TON	REQUIRED: PORTLAND CEMENT FOR FULL DEPTH RECLAMATION (APPROX. 19.0 TO 45.0 LBS/SY)
⑥	430B-043	TON	REQUIRED: AGGREGATE SURFACING (1" DOWN, CRUSHER RUN) (1.0'-2.0' WIDE ON EACH SIDE)(APPROXIMATELY 1.85" THICK)
A			IN PLACE: BITUMINOUS PAVEMENT (16'-20' WIDE)(RECONSTRUCT)
B			IN PLACE: GRANULAR SOIL BASE TO CHERT ROCK BASE (FULL WIDTH) (PARTIALLY RECONSTRUCT)
C			IN PLACE: SHOULDER MATERIAL(PARTIALLY RECONSTRUCT)



REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
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PROJECT NOTES

PROJECT NO. LCP 41-RALR-23

LEE COUNTY

TYPICAL SECTION NOTES

- 200 PRIOR TO THE APPLICATION OF ITEM NUMBER 401B-108, THE RECONSTRUCTED ROADWAY SHALL BE INSPECTED BY PROOF ROLLING, UNDER THE SUPERVISION OF THE ENGINEER, WITH A FULLY LOADED TRI-AXLE DUMP TRUCK (PROVIDED BY THE COUNTY) TO CHECK FOR SOFT OR YIELDING AREAS. ANY AREAS IDENTIFIED DURING THIS INSPECTION SHALL BE RECONSTRUCTED AS DIRECTED BY THE ENGINEER WITHOUT ADDITIONAL COMPENSATION.
- 201 ROADBED PROCESSING IS WAIVED FOR PAVED TURNOUTS AT UNPAVED INTERSECTING ROADS AND DRIVEWAYS. SUBGRADE IS TO BE BLADED, SHAPED, AND COMPACTED TO THE SATISFACTION OF THE ENGINEER. ASPHALT USED FOR THESE TURNOUTS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER. COST TO BE A SUBSIDIARY OBLIGATION OF ITEM 424A-346.
- 202 ITEM 424A-346 B.M.D. SHALL REPLACE ITEM 424A-346. ITEM 424A-346 B.M.D. SHALL MEET THE BALANCED MIX DESIGN ASPHALT SPECIFICATIONS CONTAINED IN THE PROPOSAL. THE ASPHALT PLACEMENT RATE OF 145 TO 165 LBS/SY SHALL REMAIN THE SAME.

SUMMARY OF QUANTITIES

- 300 ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
- 301 CRS-2P IS REQUIRED FOR ITEM NO. 401B-108.
- 302 APPROXIMATELY 273 TONS OF ITEM NO. 424B-700 HAS BEEN ADDED FOR SPOT LEVELING AND IS TO BE PLACED AT RATES AND LOCATIONS AS DIRECTED BY THE ENGINEER. TACK COAT IS TO BE A SUBSIDIARY OBLIGATION OF ITEM NO. 424B-700.
- 303 APPROXIMATELY 50 TONS OF ITEM NO. 430B-043 HAS BEEN ADDED FOR FLUSHING CONCRETE DRIVEWAYS AFTER REMOVAL OF CONCRETE AND PRIOR TO PAVING OPERATIONS, AND IS TO BE PLACED AS DIRECTED BY THE ENGINEER. CONCRETE DRIVEWAY REMOVAL IS TO TAKE PLACE PRIOR TO FULL DEPTH RECLAMATION OF THE ROADWAY.
- 304 APPROXIMATELY 164 TONS OF ITEM NO. 424A-349 HAS BEEN ADDED FOR PAVING DRIVEWAY TURNOUTS THAT EXTEND GREATER THAN 2 FEET FROM THE EDGE OF TRAVELED WAY, AND IS TO BE PLACED AS DIRECTED BY THE ENGINEER.
- 305 APPROXIMATELY 88 EACH OF ITEM NO. 705A-037 AND 66 EACH OF ITEM 705A-032 HAS BEEN ADDED FOR PLACEMENT ON LEE ROAD 188; AND, SHALL BE PLACED UPON COMPLETION AND CURING OF THE WEARING SURFACE.
- 306 APPROXIMATELY 225 LINEAR FEET OF ITEM 701G-252 (RUMBLE STRIPS) HAS BEEN ADDED FOR PLACEMENT ON LEE ROAD 334; AND, SHALL BE PLACED UPON COMPLETION AND CURING OF THE WEARING SURFACE.
- 307 ITEM 407B-000, JOINT SEALANT, SHALL BE A SUBSIDIARY OBLIGATION THE BITUMINOUS ASPHALT PAY ITEM.
- 308 APPROXIMATELY 15,138 SQUARE YARDS OF ITEM 408A-053 HAS BEEN ADDED FOR PLANING LEE ROAD 188 FROM STATION 0+00 TO STATION 68+12, PRIOR TO COMMENCING THE FULL DEPTH RECLAMATION. THE EXISTING ASPHALT VARIES FROM 4.0" TO 5.0" THICK IN THIS SECTION OF ROAD. PLANED MATERIAL SHALL BE LEFT IN-PLACE AND REINCORPORATED INTO THE ROADBED WITH A MECHANICAL MIXER.

TRAFFIC CONTROL

- 700 THE COUNTY WILL BE RESPONSIBLE FOR PLACING AND MAINTAINING THE SIGNS FOR THE DETOUR ROUTE AT NO COST TO THE PROJECT.

UTILITIES

- 800 NO KNOWN UTILITY CONFLICTS ARE INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. LISTED BELOW ARE THE UTILITY OWNERS:

CHARTER COMMUNICATIONS 1990 MALL BLVD. AUBURN, AL 36832 334-887-8171	AT&T 1801 AIRPORT ROAD OPELIKA, AL 36801 334-741-7856
BEAUREGARD WATER AUTHORITY 7430 AL HWY 51 OPELIKA, AL 36804 334-749-4900	PHENIX CABLE 2400 SPORTSMAN DRIVE. PHENIX CITY, AL 36868 334-887-8171
U.S. CARRIER 4931 MERCER UNIVERSITY DR. MACON, GA 31210 478-474-0088	ALABAMA POWER 9 STAFFORD ROAD. PHENIX CITY, AL 36870 334-214-5052
SPIRE P.O. BOX 2224 BIRMINGHAM, AL 35246 1-800-292-4008	SMITHS WATER 2848 LEE ROAD 243 SMITHS STATION, AL 36877 334-298-6342
DIXIE PIPELINE CO. 5565 AL HWY 51 OPELIKA, AL 36804 334-749-0798	LOACHAPOKA WATER 4742 LEE ROAD 188 LOACHAPOKA, AL 36865 334-887-3329
BEULAH UTILITIES DISTRICT 5320 LEE ROAD 270 VALLEY, AL 36854 334-737-5374	

OTHER NOTES

- 901 THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT-OF-WAY, IN ADDITION, NO FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZERS, ETC. SHALL BE LEFT UNATTENDED ON THE RIGHT-OF-WAY.

SUMMARY OF QUANTITIES

PROJECT NO. LCP 41-RALR-23

LEE COUNTY

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
206C-010	REMOVING CONCRETE DRIVEWAY	SQ. YD.	165.0
302A-000	FULL DEPTH RECLAMATION, 6 INCHES DEEP	SQ. YD.	46,442.0
302A-000	FULL DEPTH RECLAMATION, 8 INCHES DEEP	SQ. YD.	23,467.0
302B-000	PORTLAND CEMENT FOR FULL DEPTH RECLAMATION	TON	1,085.0
401A-000	BITUMINOUS TREATMENT A	SQ. YD.	69,909.0
! 401B-108	BITUMINOUS TREATMENT G (W/ POLYMER ADDITIVE)	SQ. YD.	65,981.0
405A-000	TACK COAT	GAL.	99.0
∅ 408A-053	PLANING EXISTING PAVEMENT (2.1" THRU 3.0")	SQ. YD.	15,138.0
+ 424A-346	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	5,444.0
+ \$ 424A-349	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, WIDENING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	164.0
@ 424B-700	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 3/8" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	TON	273.0
# 430B-043	AGGREGATE SURFACING (1" DOWN CRUSHER RUN)	TON	1,553.0
680A-001	GEOMETRIC CONTROLS	L.S.	1.0
701A-004	SOLID WHITE, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	4.0
701A-008	BROKEN YELLOW, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	1.0
701A-012	SOLID YELLOW, CLASS 1, TYPE A TRAFFIC STRIPE	MILE	5.0
701C-000	BROKEN TEMPORARY TRAFFIC STRIPE	MILE	3.0
701C-001	SOLID TEMPORARY TRAFFIC STRIPE	MILE	1.0
* 701G-252	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) RUMBLE STRIP	LINEAR FOOT	225.0
703A-002	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	SQ. FT.	350.0
& 705A-032	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	EACH	66.0
& 705A-037	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	EACH	88.0
740B-000	CONSTRUCTION SIGNS	SQ. FT.	1,150.0
740E-000	CONES (36 IN. HIGH)	EACH	25.0
740F-002	BARRICADES, TYPE III	EACH	25.0
740M-001	BALLAST FOR CONE	EACH	25.0
740O-000	PILOT CAR	EACH	1.0

PROJECT NOTES

- ! 301
- @ 302
- # 303
- \$ 304
- & 305
- * 306
- + 307
- ∅ 308

PROJECT DETAILS & MIX DESIGNS

PROJECT NO. LCP 41-RALR-23

LEE COUNTY

Lee Road	Description	Length (Mi.)	Existing Asphalt Thickness (In.)	Existing Width (ft.)	Proposed Asphalt/ G-Treat Width (ft.)	Proposed FDR/Prime Width (ft.)	Proposed Shoulder Width (ft.)	Proposed FDR Depth. (in.)	Max. Dry Unit Weight (pcf)	Optimum Moisture Content (%)	Percent Cement	Portland Cement Rate (lbs/sy)	Cement (tons)
334 W	From Lee Rd. 379 to Lee Rd. 279	1.000	0.75	18.00	18	19	2	6	N.A.	N.A.	N.A.	N.A.	N.A.
215	From Lee Rd. 240 to Lee Rd. 485 (Sessions SD)	0.754	1.25	19.50	18	20	2	6	128.8	7.2%	3.3%	19.1	85
216	From Lee Rd. 485 to Lee Rd. 215 (Sessions SD)	0.210	1.25	18.30	18	19	2	6	128.8	7.2%	3.3%	19.1	22
496	From Lee Rd. 215 to dead end (Sessions SD)	0.057	1.25	16.50	16	17	1	6	128.8	7.2%	3.3%	19.1	5
495	From Lee Rd. 485 to Lee Rd. 215 (Sessions SD)	0.215	1.25	18.00	18	19	2	6	128.8	7.2%	3.3%	19.1	23
218	From Lee Rd. 485 to Lee Rd. 215 (Sessions SD)	0.214	1.25	18.50	18	19	2	6	128.8	7.2%	3.3%	19.1	23
526	From Lee Rd. 215 to dead end (Sessions SD)	0.063	1.25	16.50	16	17	1	6	128.8	7.2%	3.3%	19.1	6
485	From Lee Rd. 236 to dead end (Sessions SD)	0.554	1.25	19.00	18	19	2	6	128.8	7.2%	3.3%	19.1	59
188	From Lee Rd. 81 junction north for 2.0 miles	2.000	5" - 2"	20.00	20	21	2	8	N.A.	N.A.	N.A.	N.A.	N.A.
600	From Lee Rd. 197 to dead end	0.875	1.75	20.00	20	21	2	6	N.A.	N.A.	N.A.	N.A.	N.A.
Total:		5.942										Total:	223.2

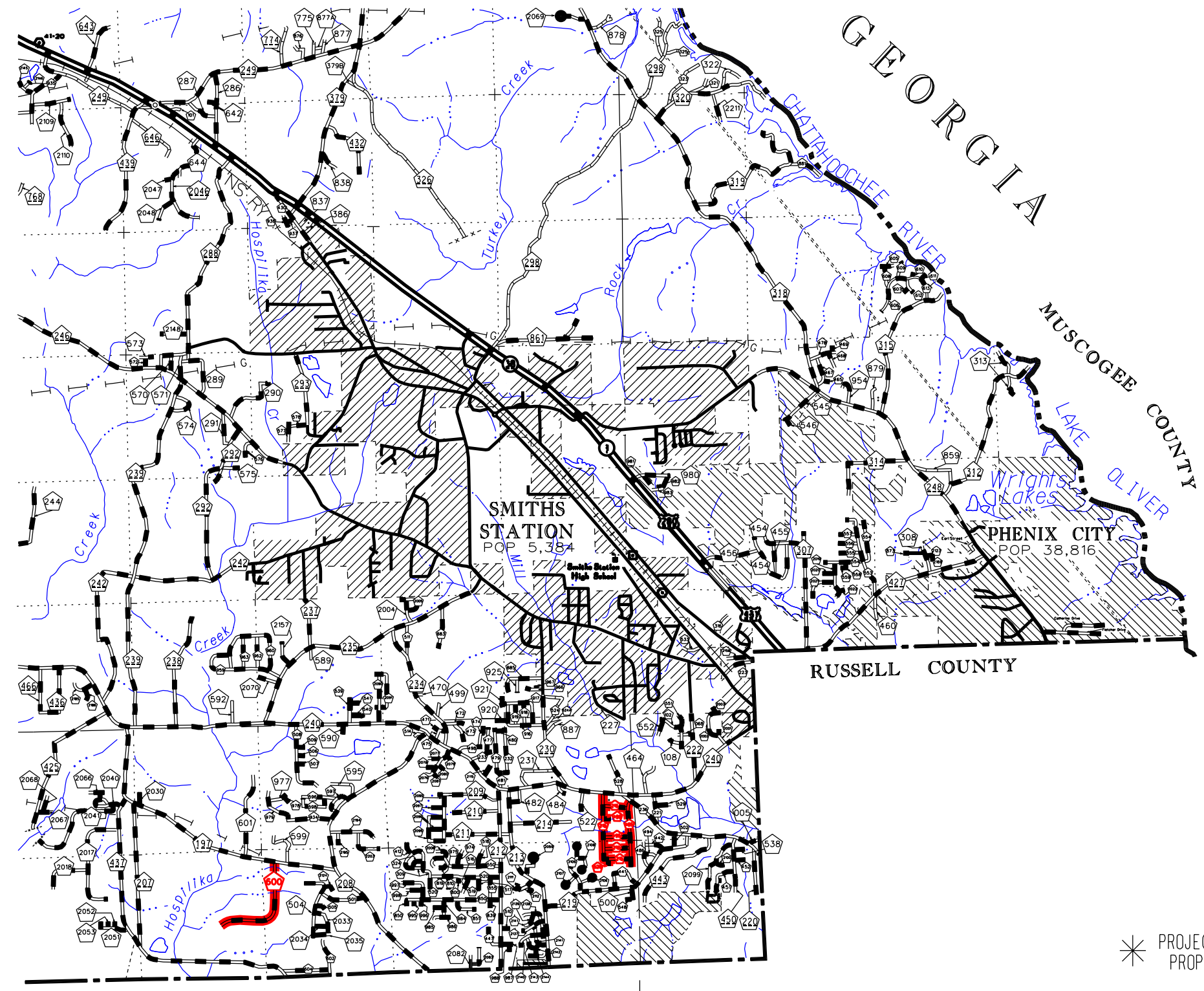
NOTE: N.A. DESIGNATION INDICATES THAT THE MIX DESIGN IS NOT AVAILABLE AT THE TIME OF BID ADVERTISEMENT. THE MIX DESIGN WILL BE PROVIDED AT THE PRECONSTRUCTION MEETING.

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PROJECT DETAILS & MIX DESIGNS

LOCATION MAP POPOUT

LEE COUNTY



T-18-N
T-17-N

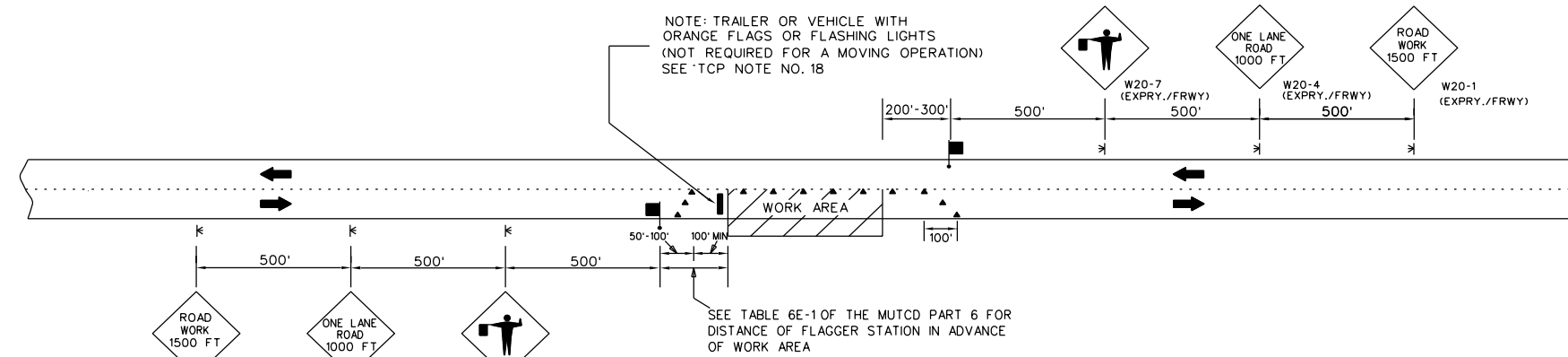
RUSSELL COUNTY

R-29-E
R-30-E

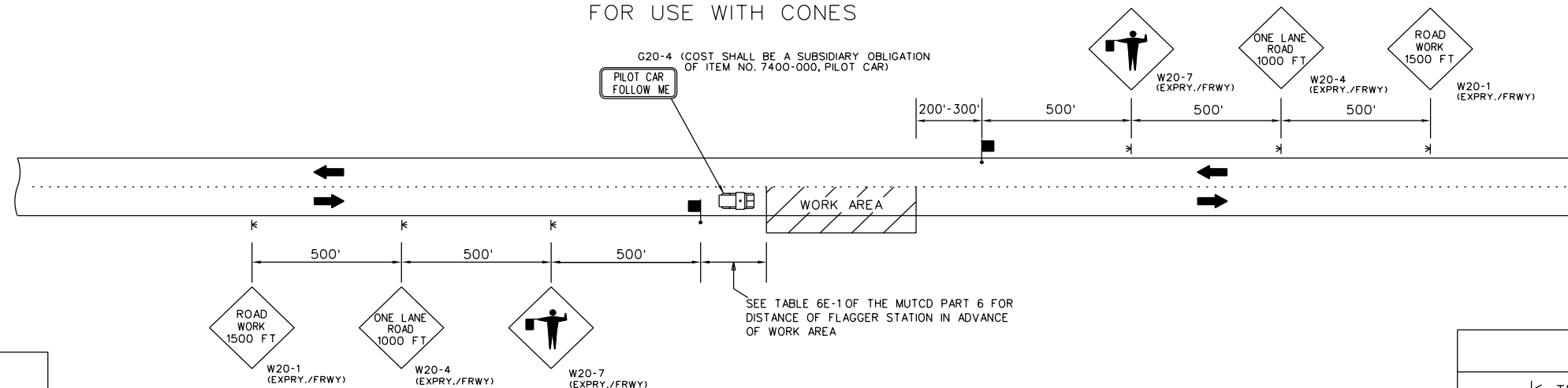
* PROJECT LOCATIONS INCLUDED IN THE PROPOSAL ARE HIGHLIGHTED IN RED. *

END ROAD WORK G20-2
 (PLACE 500 FT. PAST THE WORK LIMITS SHOWN ON THE TITLE SHEET)

ROAD WORK NEXT XX MILES G20-1
 (PLACE IN ADVANCE OF THE WORK LIMITS SHOWN ON THE TITLE SHEET)

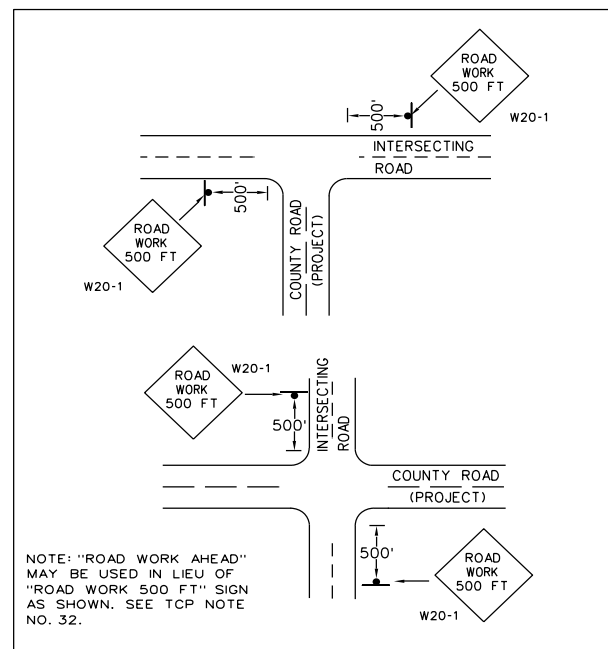


TWO LANE HIGHWAY - ONE LANE CLOSED
 FOR USE WITH CONES

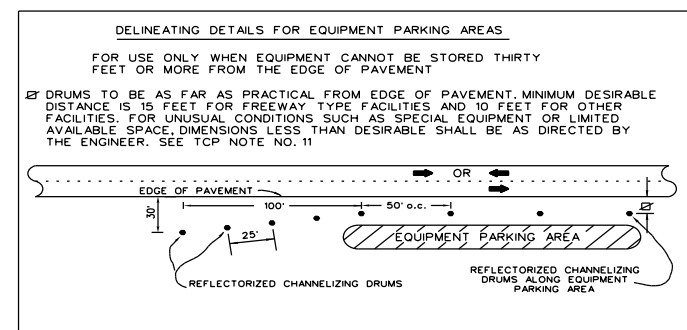


TWO LANE HIGHWAY - ONE LANE CLOSED
 FOR USE WITH PILOT CAR

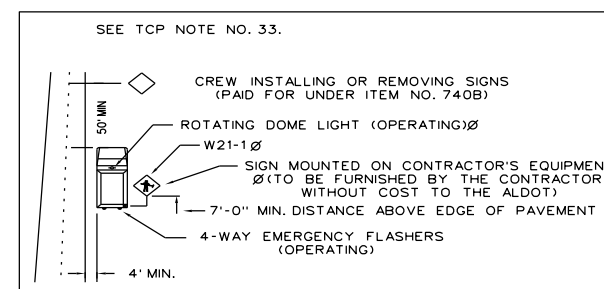
LEGEND	
	TEMPORARY MOUNTED SIGN
	POST MOUNTED SIGN
	CONES
	FLAGGER



DETAIL FOR PLACEMENT OF W20-1 SIGN AT INTERSECTING ROADS



DELINEATING DETAILS FOR EQUIPMENT PARKING AREAS



T.C.P. FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS

REVISIONS	
DRAWN - 01/05/07	REVISED SIGNS BASED ON
REVISED NOTE - ADDED PAY PROVISIONS FOR W20-1(MIN) SIGN - 01/30/07	SIGN REVISIONS IN THE 2013 SPEC./STD. DRAWING BOOK
DELETED DETAILS FOR W20-1(MIN) SIGN - 11/27/07	10/30/12
REVISED NOTE NUMBER REFERENCES - 08/14/08	CHANGED BUREAU NAME IN TITLE BLOCK - 10/16/17
ADDED LEGEND - 07/16/09	REVISED LANE CLOSURE DIMENSIONS 12/16/19
ADDED PILOT CAR DETAIL 04/05/10	

ALABAMA DEPARTMENT OF TRANSPORTATION
 LOCAL TRANSPORTATION BUREAU

TRAFFIC CONTROL PLAN
 DETAILS FOR LANE CLOSURE
 TWO LANE HIGHWAY
 PILOT CAR AND/OR CONE APPLICATION
 NOT TO SCALE

PROJECT NO.	FISCAL YEAR	SHEET NO.
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1. THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D., PART 6, AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
2. THE CONTRACTOR MAY BE REQUIRED TO FURNISH ADDITIONAL WARNING SIGNS AND FLAGGERS NOT SHOWN ON THE TRAFFIC CONTROL PLAN WHENEVER HIS FORCES ARE WORKING ON, NEAR, OR CROSSING ANY CONNECTING ROADS OR STREETS. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
3. ANY SIGNING OR OTHER TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS TCP BUT DEEMED NECESSARY BY THE ENGINEER SHALL BE FURNISHED BY THE CONTRACTOR AND PAID FOR UNDER THE APPROPRIATE PAY ITEM.
4. WHERE THE LOCATION OF A REQUIRED SIGN FALLS ON A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR IS TO RELOCATE, COVER, OR REMOVE DURING CONSTRUCTION, AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME THE PROPERTY OF THE COUNTY. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
6. ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS AUTHORIZED BY THE ENGINEER.
7. FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATIONS AT ALL TIMES. FLAGGER STATION LOCATIONS MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.
8. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
9. OMIT
10. CONSTRUCTION SIGNS MOUNTED ON A SINGLE OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWINGS IHS-710-21 AND IHS-710-23.
11. DURING NON-WORKING HOURS, NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALABAMA DEPARTMENT OF TRANSPORTATION.
12. DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL DRESS SHOULDERS TO THE EDGE OF PAVEMENT TO PREVENT TEMPORARY DROP-OFFS IN EXCESS OF 2 INCHES AFTER EACH DAYS PAVING IS COMPLETE. COST TO BE A SUBSIDIARY OBLIGATION OF THE ASSOCIATED PLANT MIX ITEM.
13. A DIFFERENCE IN ELEVATION OF APPROXIMATELY TWO (2) INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS TWO (2) INCHES OR LESS.
14. THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
15. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
16. OMIT

17. THE W20-7 AND W20-4 SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.
18. TRAILER OR VEHICLE WITH FLAGS OR LIGHTS, REQUIRED BY THIS SCHEME, SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
19. ALL CONTRACTOR'S EMPLOYEES PERSONAL VEHICLES AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION SHALL BE PARKED A MINIMUM OF 30 FEET FROM THE TRAVELED WAY DURING WORKING HOURS, SO AS NOT TO CREATE A HAZARD. EQUIPMENT AND VEHICLES MAY BE PARKED CLOSER IF OUTSIDE THE CLEARZONE AND WITH PERMISSION OF THE ENGINEER.
20. REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
21. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS. THE LATERAL PLACEMENT OF THE FLAGGER MAY BE VARIED FROM THAT SHOWN.
22. ALL SIGNS SHALL BE POST MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS IN THE SAME LOCATIONS, WHEN ALL DEVICES ARE REMOVED AT NIGHT, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS.
23. ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.
24. PAVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.
25. FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF FLAGGERS ARE IN SIGHT OF EACH OTHER ON A TWO LANE ROADWAY.
26. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
27. TAPER SHOULD BE FORMED BY PLACING ONE CONE FOR EACH FOOT OF LANE WIDTH.
28. THE SPACING BETWEEN CHANNELIZING DEVICES IN A WORK AREA SHOULD BE APPROXIMATELY EQUAL TO TWO TO FOUR TIMES THE SPEED LIMIT. FOR LOW SPEED ROADS AND STREETS, A CLOSER SPACING SHOULD BE USED.
29. THE LIMITS OF THE WORK AREA SHALL BE DETERMINED BY THE ENGINEER.
30. OMIT
31. DURING PLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM WITH A LIGHTWEIGHT TYPE "B" WARNING LIGHT (WEIGHING 3.3 POUNDS OR LESS) SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END ANCHOR CANNOT BE REPLACED IN ONE DAY'S TIME.
32. ONE W20-1 SIGN (ROAD WORK 500 FT) HAS BEEN SET UP TO BE USED AT EACH INTERSECTING STREET OR ROAD. A W20-1 (STD.) SIGN (3' X 3') SHOULD BE USED FOR LOW VOLUME, LOW SPEED INTERSECTING STREETS / ROADS. A W20-1 (EXPRY./FRWY.) SIGN (4' X 4') SHOULD BE USED FOR HIGH VOLUME, HIGH SPEED INTERSECTING STREETS / ROADS.
33. IF THE CONTRACTOR CHOOSES TO SPLICE THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON SPECIAL DRAWING IHS-710-23.

ADDITIONAL NOTES FOR TRAFFIC CONTROL PLAN UTILIZING CONES FOR LANE CLOSURE.

REVISIONS		
DRAWN - 01/05/07	3/04/14 - REVISED NOTE 11 TO OMIT REFERENCE TO ANOTHER SHEET.	12/16/19 - REVISED NOTE 23
08/08/08 - Revised Note 12 & Added Note 13.	3/20/15 - REVISED NOTE 10 TO OMIT REFERENCE TO SPECIAL DRAWING IHS-710-12.	
01/21/10 - Deleted Note 16	9/23/15 - DELETED NOTE 23 AND REVISED NOTE 12	
04/05/10 - Revised Note 30	8/7/17 - Revised Note 11	
03/29/11 - Revised Notes 10 and 33	CHANGED BUREAU NAME IN TITLE BLOCK - 10/6/17	
04/13/11 - Revised Note 31	12/5/18 - DELETED NOTE 30	
10/05/11 - Revised Notes 10 and 33	1/28/19 - ADDED NOTE 23	
02/10/12 - Revised Note 1	7/31/19 - REVISED NOTE 23	
10/30/12 - REVISED NOTES 12, 17, & 32 BASED ON SIGN REVISIONS IN THE 2013 SPEC./STD DRAWING BOOK.	7/31/19 - REVISED NOTE 31	
2/05/14 - DELETED NOTE 9	9/3/19 - REVISED NOTE 29	

ALABAMA DEPARTMENT OF TRANSPORTATION
 LOCAL TRANSPORTATION BUREAU
 TRAFFIC CONTROL PLAN
 STANDARD NOTE SHEET

PROJECT NO.	FISCAL YEAR	SHEET NO.
LCP 41-RALR-23	2023	7A

34. THE CONTRACTOR AND THE COUNTY ENGINEER SHALL DISCUSS AND PLAN FOR THE HANDLING OF TRAFFIC FOR ALL HOLIDAYS BEFORE ANY WORK BEGINS. UNLESS OTHERWISE PRE-APPROVED BY THE COUNTY ENGINEER, THE FOLLOWING SHALL HOLD:

THE CONTRACTOR SHALL NOT HAVE A LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR ALDOT:

FOR CHRISTMAS AND NEW YEARS DAY:
FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.

FOR NATIONAL MEMORIAL DAY AND LABOR DAY:
FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR INDEPENDENCE DAY (THE 4TH OF JULY):
FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY TO 11:59 PM THE DAY OF THE HOLIDAY.

FOR THANKSGIVING DAY:
FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.

ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE PROJECT ENGINEER.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL HOLIDAYS.

35. THE CONTRACTOR AND THE COUNTY ENGINEER SHALL DISCUSS AND PLAN FOR WORK ON SUNDAYS. NO WORK SHALL BE PERFORMED ON SUNDAY UNLESS THE WORK IS PREAPPROVED BY THE COUNTY ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE.

REVISIONS		ALABAMA DEPARTMENT OF TRANSPORTATION
DRAWN - 03/04/13		
03/04/13-ADDED NOTE 34 TO BE USED AS NEEDED		LOCAL TRANSPORTATION BUREAU
10/01/14 - REVISED NOTE 34 TO READ REGION ENGINEER		
CHANGED BUREAU NAME IN TITLE BLOCK - 10/6/17		
REVISED NOTE 34 12/16/19		TRAFFIC CONTROL PLAN STANDARD NOTE SHEET

EXAMPLE ROAD CLOSED PLAN

LCP 41-RALR-23

LEE COUNTY

NOT TO SCALE

LEGEND

- CONSTRUCTION SIGNS
- BARRICADES, TYPE III
- WARNING LIGHTS, TYPE B
- PORTABLE CONSTRUCTION SIGNS

NOTE: SEE SHEET 7-7A AND PROJECT NOTE 700 FOR T.C.P. NOTES.
 NOTE: R11-2 AND R11-4 SIGNS SHALL BE INSTALLED ON BARRICADES.
 NOTE: SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.



REQUIRED CONSTRUCTION SIGNS/ DEVICES						
ITEM NO. 740B-000 (SQ. FT.)						
SIGNS	NO. REQ'D	SQ. FT.	TOTAL SQ. FT.	DRAWING NO.	REMARKS	
G20-1	2	10	20	IHS-710-12 IHS-710-21 IHS-710-23	W8-7, W8-8, W8-11, W8-15P & W8-17 SIGNS ARE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.	
G20-2	2	8	16			
M4-10	2	6	12			
R11-2	2	10	20			
R11-4	4	12.5	50			
W8-7	2	9	18			
W8-8	2	9	18			
W8-11	2	9	18			
W8-12	2	9	18			
W8-15P	2	9	18			
W8-17	2	9	18			
W20-1 (EXPRY./FRWY.)	6	16	96			SEE TCP SHEETS FOR DESCRIPTION
W20-1 (STD)	4	9	36			
W20-3 (EXPRY./FRWY.)	10	16	160			
W20-4 (EXPRY./FRWY.)	2	16	32			
W20-7 (EXPRY./FRWY.)	2	16	32			
TYPE III BARRICADES	14					
TOTAL			582			

