



May 15, 2026

To Whom It May Concern:

The City of Sumter is soliciting **SEALED** bids for the items listed on page 8. Please list the cost of each item separately. Delivery charges and taxes will also be listed separately. All bids ***MUST*** be received by David Ferrell on or before Thursday, June 25, 2026 at 2:00 PM / ET in the City of Sumter Public Works. **SEALED** Bids may be mailed, overnighted or hand delivered (Address is on page 2). Bids that are e-mailed or faxed will be deemed as unresponsive and rejected.

*PLEASE SEE ATTACHMENT FOR QUANTITIES, DESCRIPTION, DETAILS AND SPECIFICATIONS.

*ALL BIDS MUST SPECIFY PER UNIT COST WHEN SHOWN IN SPECIFICATIONS, IF APPLICABLE. DO NOT PROVIDE LUMP SUM ONLY IF YOU CAN PROVIDE UNIT COST.

*ALL DEVIATIONS FROM REQUESTED SPECIFICATIONS MUST BE CLEARLY NOTED ON BID RESPONSE.

*ALL PRICES QUOTED WILL REMAIN VALID FOR ONE YEAR (1 JULY 2026 – 30 JUNE 2027)

The bid AITB number and name must appear on the envelope. Please email questions concerning specifications/items via email to Richard Pring rpring@sumtersc.gov, Will Wise wwise@sumtersc.gov, or Herbert Lee hlee@sumtersc.gov. If you have questions concerning the bid process, email David Ferrell dferrell@sumtersc.gov.

Sincerely,

David Ferrell
Asset and Operations Manager
www.sumtersc.gov/purchasing



CITY OF SUMTER BID FORM

City of Sumter, South Carolina, a Body Politic and Corporate and Political Subdivision of the State of SC

ANNUAL INVITATION-TO-BID: AITB #4 – 26/27

NAME OF BID: Builder Supplies (FY 2027)

BID MUST BE RECEIVED BY: Thursday, June 25, 2026 at 2:00pm / ET at below address.

City of Sumter Public Works

Attention: Purchasing Dept.

303 East Liberty St.

Sumter, SC 29150

BID: AITB #4-26/27 Builders Supplies (FY 2027)

(The bid AITB number and name must appear on the envelope)

Quantity Size/Description/Specs/Details

*PLEASE SEE ATTACHMENT FOR QUANTITIES, DESCRIPTION, DETAILS AND SPECIFICATIONS.

*ALL PRICES QUOTED WILL REMAIN VALID FOR ONE YEAR (1 JULY 2025 – 30 JUNE 2026).

DELIVERY WILL BE MADE IN _____ DAYS AFTER RECEIPT OF ORDER

Delivery To: City of Sumter Water & Sewer Department

303 E. Liberty St.

Sumter, SC 29150

VENDOR NAME: _____

ADDRESS: _____

CITY-STATE-ZIP: _____

TELEPHONE NO: _____ **EMAIL:** _____

FEDERAL ID (TAX ID) NO: _____

AUTHORIZED SIGNATURE (WRITTEN): _____

AUTHORIZED SIGNATURE (TYPED): _____ **DATE** _____

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and verify that I am authorized to sign this bid for the offerer. I further state that the company affiliated with this bid currently complies with all applicable federal and state laws and directives relative to non-discriminatory practices in employment.

The Bidder, in compliance with your Invitation-To-Bid, and having read and understood the Project Documents, and being familiar with all of the conditions surrounding the proposed project, including the availability of materials, labor, and work site environmental conditions, hereby proposes to furnish all permits, labor, materials, supplies, and equipment and to perform the duties in accordance with the contract documents of which this Bid Form is a part.

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid as principal(s) is, or are, named herein and that no other person has any interest in the Bid or in the contract to be entered into; that this Bid is made without connection with any other person, company or parties making a bid; and that is in all respects fair and in good faith without collusion or fraud.

The Bidder further proposes and agrees, if this Bid is accepted, to contract with City of Sumter, to furnish all permits, materials, equipment, tools, apparatus, means of transportation, removal, over head, profit insurance, taxes, and other such costs both indirect and direct, and labor necessary hereto, and to complete the proposed project in full and complete accordance with the Project Documents, to the full and entire satisfaction of the Owner, at the prices listed in the Bid Schedule.

Unit prices and/or lump sums are shown in the Bid Schedule section below. **In case of error in extension, the Unit Price shall govern rather than the Amount. Where Lump Sum Amounts are bid, the amount for each bid item shall govern rather than the total of any several items.**

NOTIFICATION OF PRICE ADJUSTMENTS:

Unit prices offered shall remain firm throughout the term of the contract. Any request for price adjustment, with proper documented justification, shall be submitted in writing to the City of Sumter two weeks prior to the requested date of the price adjustment and will only take effect after the awardee has received written acceptance of price adjustment from the City of Sumter. Any price adjustment invoiced without prior written approval from the City of Sumter shall not be paid and the invoice returned to the awardee for correction. Price adjustments shall be made in good faith with awardees and the City. The City of Sumter reserves the right to reject any price adjustments and cancel the renewal of any contract containing unaccepted increase in prices.

NOTE: Price adjustments must be proven and out of the ordinary for contracts one year or less.

VENDOR AGREEMENTS

City of Sumter reserves the right to obtain clarification or additional information necessary to properly evaluate a bid. Failure of vendor to respond to a request for additional information or clarification could result in rejection of that vendor's bid. City of Sumter reserves the right to award proposals received on the basis of individual items, groups of items, or the entire list of items; to reject any and all proposals in whole or in part, and to waive any technicalities. In every case, the City reserves the right to make awards deemed to be in the best interest of the City and to negotiate further the offer determined by the City to be in the best interest of the City. **City of Sumter also reserves the right to make purchases outside of the awarded contracts where it is deemed in the best interest of the City.**

Each responder, by submitting a bid to the City of Sumter a result of this Invitation-to-Bid, agrees to and acknowledges its acceptance of and agreement with the procedures outlined herein and all terms, conditions and requirements of the applicable City of Sumter Bid documents. If a vendor cannot agree to these terms, or violates these procedures, the response will be judged non-responsive and not considered. If the procedures are violated during the evaluation process or prior to the issuance of a contract by the City of Sumter, the offer of the firm in question will be void and City of Sumter will procure the goods/services in question from other eligible vendors.

Responses submitted are final and complete offers by the vendor. No additions, corrections, modifications, changes or interpretations will be allowed. In the event questions arise on what is meant by an offer, the Purchasing Manager will make a determination as to the city's interpretation of the vendor's offer. If, after informing the vendor of the city's opinion, disagreement as to scope of the offer is present, the offer will be declared void.

Unit prices will govern over extended prices. Prices must be stated per unit and extended for the total quantity. Sales, use, or excise tax, as well as any handling and shipping charges, must be shown as separate items.

Responders must clearly mark as “Confidential” each part of their offer which they consider proprietary information that could be exempt from disclosure under Section 30-4-40, Code of Laws of South Carolina, 1976 as amended (Freedom of Information Act). If any part is designated as “confidential”, there must be attached to that part an explanation of how this information fits within one or more categories listed in Section 30-4-40. City of Sumter reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against City of Sumter or its agents for its determination in this regard

The Owner reserves the right to increase or decrease the amount of work under the Contract at the unit prices quoted in the bid received from the successful responder.

The responder’s attention is directed to the fact that all applicable Federal, State and Local laws, statutes, ordinances, and the rules and regulations of all authorities having jurisdiction over the project shall apply to the contract and the project throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

The Responder agrees to secure at Responder’s own expense all personnel necessary to carry out Responder’s obligations under this Bid. Such personnel shall not be deemed to be employees of the City nor shall they or any of them have or is deemed to have any direct contractual relationship with the City. The respondent shall obtain and maintain all licenses and permits required by law for performance of this contract by him.

Upon award of the contract or Purchase Order, the bidder shall maintain, throughout the performance of its obligations a policy of Worker’s Compensation insurance with such limits as may be required by SC law, and a policy or policies of general liability insurance insuring against liability for injury to, and death of, persons and damage to, destruction of, property arising out of, or based upon, any act or omission of the bidder or any of its subcontractors of their respective officers, directors employees or agents.

Such liability insurance shall have limits sufficient to cover any loss or potential loss resulting from this contract. City of Sumter must be listed as additional insured.

The certificate must allow a minimum of a 30 day written notice of cancellation. Bidder shall provide a Certificate of Insurance to the City of Sumter Purchasing offices prior to start of work.

The bidder shall satisfy itself as to the actual requirements of the bid by personal examination of its location or other means, so as to enable the bidder to make an informed bid. Failure to do so shall not relieve the successful bidder of its obligation to furnish all materials, products, and/or labor necessary to complete the provision of the awarded contract and failure to do so may result in the claims against bonds. No allowance will be made for any claims that a bid and/or response was based on incomplete information as to the nature and character of the sites and of the work involved.

The responder shall indemnify, defend and hold harmless City of Sumter, its officers, agents and employees from liability and any claims, suits, judgments, and damages of any nature brought because of, arising out of, or due to breach of the agreement by Responder, its subcontractors, suppliers, agents, or employees or due to any negligent act or occurrence or any omission or commission of Responder, its subcontractors, suppliers, agents, or employees.

The successful responder shall indemnify and hold harmless the City of Sumter, its officers, agents and employees from all suits or claims of any character resulting from patent, trademark or copyright infringement or accidents/injury at any point in the delivery of goods/services.

Should any responder fail to perform or comply with any provision or terms and conditions of any documents referenced and made part hereof, City of Sumter may terminate this contract, in whole or in part, and may consider such failure or non compliance a breach/default of contract.

The City of Sumter may terminate this agreement with or without cause at anytime. In the event of termination by either party, uncontested fees due for services satisfactorily performed or goods accepted prior to the termination shall be paid.

Upon award of a contract or Purchase Order under this bid, the person, partnership, association, or corporation to whom the award is made must comply with the laws of South Carolina, which require such person or entity to be authorized and/or licensed to do business in this state. Notwithstanding the fact that applicable statutes may exempt or exclude the successful responder from requirements that it be authorized and/or licensed to do business in this state, by submission of this signed proposal, the responder agrees to subject itself to the jurisdiction and process of the courts of the State of South Carolina, to all matters and disputes arising or to arise under the contract and performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.

Upon award of the contract or Purchase Order, the bidder shall maintain, throughout the performance of its obligations a policy of Worker's Compensation insurance with such limits as may be required by SC law, and a policy or policies of general liability insurance insuring against liability for injury to, and death of, persons and damage to, destruction of, property arising out of, or based upon, any act or omission of the bidder or any of its subcontractors of their respective officers, directors employees or agents. Such liability insurance shall have limits sufficient to cover any loss or potential loss resulting from this contract. City of Sumter must be listed as additional insured. The certificate must allow a minimum of a 30 day written notice of cancellation. Bidder shall provide a Certificate of Insurance to the City of Sumter Purchasing offices prior to start of work.

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APPLICABLE FOR WORK PERFORMED ON-SITE AT ANY CITY OF SUMTER PROPERTY:

Contractor's and Subcontractor's Insurance: Before commencing the Work, and until completion and final acceptance of the Work, the Contractor shall procure and maintain, at its own expense, the insurance coverages described below. Before starting the Work, Contractor shall furnish a Certificate of Insurance, in a form acceptable to Owner, evidencing the Contractor's compliance with the Agreement's insurance requirements. All insurance policies are to be written through a company duly authorized to transact that class of insurance within the jurisdiction of the Project site and shall be with insurance companies acceptable to Owner and with A.M. Best Rating of A minus or better. The Certificates and policies for the Commercial General Liability and Business Automobile Liability Policy shall name Owner, and if requested, Owner's agents, as Additional Insureds for completed and ongoing operations on a primary and non-contributory basis. All Insurance Certificates shall state policy numbers, dates of expiration, policy limits, and provide that the insurance will not be cancelled or changed unless Owner has been given written notice at least thirty (30) days prior to the date of the proposed change or cancellation.

If the Contractor fails to procure or maintain required insurance coverages, Owner shall have the right, but not the obligation, to procure and maintain the required insurance for and in the name of the Contractor, and Contractor shall pay the cost thereof and furnish all necessary information to make effective and maintain such insurance. Contractor shall not commence work until all insurance requirements are met.

a. Required Insurance Coverages: The insurance coverages to be provided include those as set forth below unless modified in an Insurance Exhibit attached to the Agreement:

(1) Commercial General Liability Insurance with limits of \$1,000,000.00 per occurrence/\$1,000,000 aggregate Bodily Injury and Property Damage Liability. This coverage must, at a minimum, include coverage and/or endorsements for premises operations, products/completed operations, contractual liability assumed by Contractor under this Agreement, personal injury, advertising injury and broad form Property Damage (including coverage for explosion, collapse and underground hazards), and independent Contractor coverages. All liability policies must be written on an "occurrence" basis. Such policy shall not contain Endorsement, CG 22 94 10 01. The Commercial General Liability and Automobile Liability insurance required herein shall protect the Contractor and the Owner against liability from damages growing out of any Contractor operations (including the operation of all automobiles, trucks, and other vehicles owned or rented) in connection with the performance of this Agreement, as well as liability arising after the completion of the Contractor's operations.

(2)

Motor Vehicle Liability Insurance with bodily injury limits of \$1,000,000.00 and property damage limits of \$1,000,000.00 or a combined single limit of \$1,000,000.00.

(3) Worker's Compensation in accordance with, and providing coverages meeting or exceeding the limits required by, the laws of the State of South Carolina jurisdiction, and Employer's Liability Insurance with the following minimum limits: \$100,000 Per Accident, \$100,000 Per Disease for Each Employee, \$500,000 aggregate.

(4) Excess or Umbrella Liability Insurance with a policy limit of \$1,000,000.00 per occurrence and aggregate.

(5) Sub-Contractor Insurance: If Contractor elects, with Owner's approval, to subcontract any portion of the Work to another Contractor, Contractor shall require of such Subcontractor insurance coverage similar to that required of Contractor hereunder and shall furnish to Owner evidence that such insurance coverages are currently in effect. Moreover, Contractor shall require any such Subcontractor to name Contractor and Owner as additional insureds on Subcontractor's Commercial General Liability Insurance and will provide Contractor with a waiver of subrogation form from such sub-Contractors worker's compensation carrier. Failure of Contractor to require Subcontractor to obtain the coverages required herein or to furnish Owner evidence of such coverage shall be grounds for termination for default.

b. The Contractor shall furnish one copy of each Certificate of Insurance herein required attached to each copy of the Agreement, plus three additional copies of each Certificate of Insurance herein required, which shall specifically set forth evidence of all coverages set forth above. The Contractor shall furnish to the Owner copies of any endorsements that are subsequently issued amending coverage or limits.

(6) All proof of insurance must be on an **ACORD CERTIFICATE OF INSURANCE**.

ATTACHMENT:

**CITY OF SUMTER
PUBLIC SERVICES DEPARTMENT
BUILDER SUPPLIES
JULY 2026 - JUNE 2027**

<u>ITEM</u>		<u>UNIT PRICE</u>	<u>UNIT</u>
1	3000 PSI CONCRETE		cu.yd.
2	3000 PSI CONCRETE (+ 2%)		cu.yd.
3	3000 PSI CONCRETE W/ PEA GRAVEL		cu.yd.
4	FLOWABLE FILL (Excavatable)		cu.yd.
5	FLOWABLE FILL (Non Excavatable)		cu.yd.
6	BAG CEMENT		94#bag
7	BAG MORTAR		70#bag
8	CONCRETE MIX		80#bag
9	CONCRETE MIX FAST SET (30-45 MIN)		Bag
10	CEMENT BLOCK (4 x 8 x 16 SOLID)		Each
11	CEMENT BRICK		thousand
12	4 x 8 x 8 SOLID HALF BLOCK (HD)		Each
13	4 x 8 x 16 STRETCHER BLOCK (HD)		Each
14	8 x 8 x 16 STRETCHER BLOCK (HD)		Each
15	8 x 8 x 16 CORNER BLOCK (HD)		Each
16	BUILDERS SAND (REGULAR)		Ton
17	BUILDERS SAND (WHITE)		Ton
18	UNWASHED SAND		Ton
19	GRANITE SAND		Ton
20	CRUSHER RUN (CR 14)		Ton
*21	*SAND CLAY (see attachment) (Conforming to SCDOT Section 303)		cu.yd.
22	BALL PARK CLAY		Ton
23	GRAVEL (#5 STONE)		Ton
24	GRAVEL (#57 STONE)		Ton
25	TOP SOIL (#1 GRADE)		cu.yd.
26	TOP SOIL (#2 GRADE)		cu.yd.
27	1 MAN RIP-RAP		Ton

***NOTE: Item 21 Sand Clay: The following six pages are the SCDOT section 303 attachment for Sand-Clay base course.**

Section 303

Sand-Clay Base Course

303.1 DESCRIPTION OF WORK

The SCDOT Inspector will be responsible for verifying that the Contractor obtains materials and constructs the sand-clay base course in accordance with Section 303 of the *Standard Specifications* and any applicable Special Provisions. The work for a sand-clay base course consists of placing one or more lifts of naturally or artificially proportioned sand-clay material on an approved subgrade or subbase. The number of lifts will depend on the overall compacted thickness of the base course. Each lift of material then will be mixed and thoroughly and uniformly compacted to a target density. To achieve the target density during compaction, the moisture content must be maintained at or near optimum. Pay particular attention to the placement of material lifts, uniformity of mixing, moisture content during compaction, density obtained, application of asphalt prime coat and the resultant thickness and smoothness of the completed base course. Loose or rutted areas are unacceptable and will require immediate correction by the Contractor. After construction and prior to placement of the asphalt prime coat or any subsequent course, obtain final approval of the base course from the Resident Construction Engineer, with concurrence from the District Construction Engineer.

303.2 PRECONSTRUCTION CONSIDERATIONS

303.2.1 Contract Document Review

See Section 301.2.1 for guidance on reviewing Contract documents.

303.2.2 Coordination of Project Personnel

See Section 301.2.2 for guidance on coordinating project personnel.

303.2.3 Material Considerations

303.2.3.1 Sand-Clay Material

Unless specified otherwise, the Contractor is responsible for securing the source of sand-clay material (e.g., pits, fields), including all permits, right-of-way, access, haul roads, erosion control and property restoration. Verify that the Contractor meets these Contract provisions. A local source of naturally proportioned base material may be available. If such a source is unavailable, the Contractor will be responsible for securing sources of materials that can be artificially proportioned for use as the base material. Samples should be obtained in accordance with SC-T-21 (see Appendix C). The Research and Materials Laboratory will test samples to verify that the material meets specified requirements (e.g., gradation, liquid limit, plastic limit). Test results for pit samples will be provided for information only. No sand-clay base material will be accepted based on the test results of pit samples.

303.2.3.2 Asphalt Prime Coat

Verify that the asphalt material to be used for the asphalt prime coat is supplied from a source listed on Approval Sheet 38. Several different types are generally acceptable; however, the Contract may specify the use of a particular type. If material type is optional, only one material type is to be used for the asphalt prime coat; watch for evidence of cross-contamination with other asphalt materials used on the project. In addition, verify that the material is maintained in sufficient quantity to prime the base course in a continuous operation.

303.2.4 Weather Considerations

Pay attention to the weather forecast before work on the base course begins or resumes. Do not allow work to be performed on an excessively wet or frozen subgrade or subbase. In general, base course material that is not promptly compacted will act as a blotter when it rains, saturating the subgrade and becoming plastic under compaction. This will require the subgrade to be repaired at Contractor expense, as specified. Closely monitor the rain forecast and the timing of the compaction operation.

303.2.5 Sampling and Testing Considerations

See Section 301.2.5 for information on sampling and testing component materials and Contract pay items.

303.2.6 Subgrade / Subbase Inspection and Approval

The SCDOT Inspector is responsible for inspecting the subgrade and subbase with respect to materials, grade, width, thickness, cross slope, density and drainage, as discussed respectively in Section 208, Section 301 and Section 302. Shoulder work should be constructed, inspected and approved as discussed in Section 209. To facilitate construction operations, this work should be completed and approved at least 500 feet ahead of the base course work. Prior to initiating work on the base course, the subgrade and subbase must be approved by the District Construction Engineer. Therefore, at the time the base course is to be constructed, additional sampling and testing of subgrade or subbase material is generally unnecessary. However, it is good construction practice to continually monitor the subgrade or subbase for evidence of unacceptability (e.g., excessively wet areas, high or low spots, ruts, muck, loose or segregated material). Require that unsuitable materials be removed and replaced with acceptable materials. Underdrains or rework (e.g., additional grading and compaction) may also be required before proceeding with base course construction. As needed, seek guidance from the Resident Construction Engineer.

303.3 INSPECTION DURING CONSTRUCTION

303.3.1 Hauling and Placement Operation

Prior to placement, check the moisture content of the subgrade or subbase. Wetting may be necessary to recondition the surface if it has become too dry. At the material pit, the Contractor

is required to blade off and dispose of all deleterious materials from the surface prior to excavating the sand-clay material. During placement and mixing, however, it is good practice to continually monitor the operation for objectionable materials, including oversized stones, roots, sod and weeds. Require the Contractor to remove such objectionable materials. If found in excessive amounts, require removal and replacement of the base material. To minimize hauling over the work under construction, placement will typically begin at the station farthest from the pit. In general, hauling over the base should be avoided unless it is being constructed in lifts. Ensure that lifts are not placed too thick (i.e., 8-inch compacted thickness maximum). Verify that the Contractor evenly and uniformly spreads the base material over the approved and properly maintained subgrade or subbase. If naturally proportioned sand-clay material is not being used, pay particular attention to the acceptability of the windrow operation and the artificial proportioning of the materials. Such an operation will require the Contractor to control the proportioning of the materials during the mixing operation.

303.3.2 Spreading Operation

303.3.2.1 Mixing and Shaping

During mixing, do not allow equipment operators to mix the top surface of the subgrade or subbase with the sand-clay material. As the sand-clay material is being placed, verify that the Contractor immediately spreads and mixes the material until the base exhibits a homogeneous appearance throughout its width and depth. Verify that the Contractor adds water, as needed, to maintain the moisture content of the base material near optimum. To facilitate bonding of multiple lifts, ensure that the Contractor mixes the newly placed material with the top surface of the previous lift, as specified. Check the cross-section and grade to ensure conformance with the Contract Plans. As needed, require reshaping and removal and replacement of any unsuitable material encountered.

303.3.2.2 Sampling and Testing

Sampling and testing of each lift of sand-clay base course material is required after mixing and will be performed in accordance with the criteria for Quality Control Samples and Tests and Independent Assurance Samples and Tests discussed in Section 106. See Section 301.2.5 for additional information on sampling and testing. Sample the sand-clay base material immediately after the mixing operation. If the sand-clay base course is to lie unsurfaced for a prolonged period of time, such as over the winter, delay the sampling. Sample the sand-clay base course every 1000 feet per two lanes. Take the sample through the full lift depth at the following locations:

- at or near the centerline,
- approximately 2 feet from the right edge, and
- approximately 2 feet from the left edge.

Immediately ship the samples to the Research and Materials Laboratory for testing (e.g., gradation, liquid limit, plastic limit). If the Laboratory reports that a sample has failed and requests that a check sample be taken, obtain and ship two check samples representing the

material that failed in accordance with the requirements for check samples documented in Section 106. Do not permit additional material to be placed over the lift until the sand-clay material samples have been tested and reported to be in compliance.

303.3.3 Compaction Operation

303.3.3.1 General

The compaction operation (i.e., blading and rolling) should follow immediately behind the mixing and shaping operation. Its purpose is to compress the soil particles into a dense mass by expelling air and reducing voids. Unless otherwise specified, the Contractor may choose the type of equipment to perform this operation; however, the use of pneumatic-tired rollers is fairly common and economical, because the tire pressure and/or weight of these rollers can be increased to generate high contact pressures. Rollers will generally work along the centerline and move toward the edge of the course. The compacted surface should be smooth and even textured. Watch for roller marks, knots and depressions and require the Contractor to adjust the roller pattern, as needed. For secondary roads where a sand-clay base course may be used in conjunction with an asphalt waterproofing or wearing surface, very little strength will be derived from the asphalt surface course. Thus, the strength of the overall pavement structure relies heavily on the strength of the sand-clay base course. Because density is a direct correlation to the resultant strength of the base course, it is paramount that each lift of the sand-clay material be thoroughly and uniformly compacted to target density.

303.3.3.2 Moisture Content

The optimum moisture content for the sand-clay material will be established using SC-T-25 or SC-T-29 (see Appendix C). Prior to compaction, check to ensure that the moisture content of the material is at or near optimum. The compaction operation is facilitated if the required water is added during the mixing and shaping operation.

303.3.3.3 Lift Thickness

Pay particular attention to the total compacted thickness of the sand-clay base course denoted on the Contract Plans. If greater than 8 inches, the Contractor will be required to construct the base course in multiple lifts of equal thickness, with each lift being compacted to 100% of maximum density before additional material is placed for a subsequent lift.

303.3.3.4 Density Testing

Density testing of each compacted lift of sand-clay base course material is required and will be performed in accordance with the criteria for Quality Control Samples and Tests and Independent Assurance Samples and Tests discussed in Section 106. See Section 301.2.5 for additional information on sampling and testing. Check to ensure that each lift of sand-clay base course is uniformly compacted to 100% of the maximum density. The actual dry density is to be determined in accordance with SC-T-30, SC-T-31, SC-T-32 or SC-T-33, as appropriate. The

maximum dry density and optimum moisture content of the sand-clay base material will be determined by either the One-Point Proctor Method (SC-T-29) or by the field method of determining moisture-density relations of soils (SC-T-25). Do not permit an additional lift of sand-clay material to be placed until the required density of the underlying lift has been attained. See Appendix C for the sampling and testing procedures. If test results fail, require the Contractor to adjust the compaction operation or moisture content, as needed, to obtain the target density. The Resident Construction Engineer should retain SCDOT Form 200.02 – Percent Compaction by Nuclear Gauge or SCDOT Form 200.03 – Percent Compaction by Nuclear Gauge – Direct Read Gauge; however, SCDOT Form 200.01 – Field Density Test Report (Nuclear Gauge) must be sent to the Research and Materials Laboratory on a weekly basis. Reference additional testing for areas that fail and note the corrective actions to be taken.

303.3.4 Finishing Operation

Once the final lift of sand-clay base material has been compacted to target density, the finishing operation will begin, which includes reshaping and finishing rolling, as needed, to bring the surface into compliance with the lines, grades and typical sections of the Contract Plans. Check compliance of the finished surface using a hand level, engineer's level, total station or other suitable means. Be diligent in securing compliance of the surface. Require the Contractor to correct any areas that are not within reasonable conformity to the specified roadway section. Watch for severe rutting, equipment imprints, roller marks and loose or segregated material, and notify the Resident Construction Engineer, as needed, to assess corrective measures.

303.3.5 Checking Base Course Thickness

Immediately after the finishing operation but prior to the application of the asphalt prime coat, test holes will be used to measure base course thicknesses at various locations. These measurements will be used to calculate an average job thickness to assess compliance of the completed sand-clay base course. Measure base course thickness at staggered intervals not to exceed 250 feet in length per 2-lane width (125 feet for 4 lanes, etc.). See Section 106 for additional information on Quality Control Samples and Tests and Independent Assurance Samples and Tests. When computing the average job thickness, individual measurements exceeding the specified thickness by more than 0.5 inches will be considered the specified thickness plus 0.5 inches. For example, if the specified thickness is 6 inches and the measured thickness at one location is 7 inches, use 6.5 inches when computing the average thickness. Ensure that the Contractor corrects thickness deficiencies greater than 0.5 inches, as specified. Record the thickness measurements on SCDOT Form 300.01 – Depth Check Records. Ensure that the test holes are backfilled with suitable material and compacted using a hand tamp.

303.3.6 Application of Asphalt Prime Coat

The application of an asphalt prime coat will be required when a hot-mix asphalt or asphalt surface treatment will overlay the sand-clay base course. Do not allow the application of asphalt prime coat to begin until all other requirements have been met with respect to the

construction of the sand-clay base course and final approval has been obtained from the Resident Construction Engineer, with concurrence of the District Construction Engineer. Pay particular attention to the type of asphalt material used. Check that the application rate is within specified limits. Too much asphalt material can actually create a slip plane in the pavement structure. The asphalt material should completely penetrate the base surface and fill all voids. Watch for damage to the asphalt prime coat caused by traffic and require the Contractor to sand, dust or repair the asphalt prime coat, as appropriate. Pay particular attention to overspray and potential damage to adjacent property, and notify the Resident Construction Engineer for any needed assistance. See Section 401.4 for additional information on the application of asphalt prime coats.

303.4 POST-CONSTRUCTION CONSIDERATIONS

The Contractor is responsible for maintaining the integrity of the sand-clay base course during construction. During subsequent operations, watch for damage and defects caused by traffic and erosion and require the Contractor to repair the surface of the base in accordance with the provisions of the Contract.

303.5 DOCUMENTATION AND PAYMENT CONSIDERATIONS

Measure and document in the Daily Work Report the surface area (i.e., width x length) of the completed and approved sand-clay base course. Payment will be made based on the Contract unit price; however, payment adjustment applies if the average thickness of the base course is found to be more than 0.25 inch less than the thickness specified in the Contract. For example, if the Contract specifies a 6-inch sand-clay base course and the average thickness was determined to be 5.5 inches, ensure that payment is adjusted as specified. Ensure that ineligible quantities, such as those for corrective work, are not included for payment. Obtain from the Contractor all invoices for the asphalt prime coat material, which will be retained by the Resident Construction Engineer, and document in the Daily Work Report the volume of asphalt material used for asphalt prime coat. Prime coat will be paid for separately based on this volume.