

# DIVISION 1 GENERAL REQUIREMENTS

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## SECTION 101 DEFINITIONS OF TERMS

### 101-1 GENERAL

Whenever the terms defined in this section are used in the contract, in any of the contract documents, or in the plans, the intended meaning of such terms shall be as defined in this section.

### 101-2 ABBREVIATIONS

|    |         |       |   |
|----|---------|-------|---|
| 8  | AASHTO  | _____ | American Association of State Highway and Transportation Officials      |
| 9  | ABC     | _____ | Aggregate Base Course   |
| 10 | ACI     | _____ | American Concrete Institute   |
| 11 | AFAD    | _____ | Automated Flagger Assistance Device                                     |
| 12 | AISC    | _____ | American Institute of Steel Construction                                |
| 13 | ANSI    | _____ | American National Standards Institute, Inc.                             |
| 14 | APL     | _____ | Approved Products List  |
| 15 | ASC     | _____ | Approved Supplier Certification   |
| 16 | ASB     | _____ | Aggregate Shoulder Borrow   |
| 17 | ASME    | _____ | American Society of Mechanical Engineers                                |
| 18 | ASTM    | _____ | American Society for Testing and Materials                              |
| 19 | AWG     | _____ | American Wire Gauge   |
| 20 | AWS     | _____ | American Welding Society  |
| 21 | AWWA    | _____ | American Water Works Association  |
| 22 | AWPA    | _____ | American Wood-Preservers' Association                                   |
| 23 | CAPWAP  | _____ | Case Pile Wave Analysis Program   |
| 24 | CFR     | _____ | Code of Federal Regulations   |
| 25 | CIE     | _____ | International Commission on Illumination                                |
| 26 | CIP     | _____ | Cast in Place   |
| 27 | CRSI    | _____ | Concrete Reinforcing Steel Institute                                    |
| 28 | CS      | _____ | Corrugated Steel  |
| 29 | CSI     | _____ | Cumulative Straightedge Index   |
| 30 | CSL     | _____ | Crosshole Sonic Logging   |
| 31 | EIA/TIA | _____ | Electronics Industries Alliance/Telecommunications Industry Association |
| 32 | ESAL    | _____ | Equivalent Single Axis Load   |
| 33 | FHWA    | _____ | Federal Highway Administration, U.S. Department of Transportation       |
| 34 | HDPE    | _____ | High Density Polyethylene   |
| 35 | HMA     | _____ | Hot Mix Asphalt   |
| 36 | ID      | _____ | Identification  |
| 37 | IES     | _____ | Illuminating Engineering Society  |
| 38 | IRI     | _____ | International Roughness Index   |
| 39 | IMSA    | _____ | International Municipal Signal Association                              |
| 40 | JMF     | _____ | Job Mix Formula   |
| 41 | LED     | _____ | Light Emitting Diode  |
| 42 | LL      | _____ | Liquid Limit  |
| 43 | LLC     | _____ | Limited Liability Company   |
| 44 | LRFD    | _____ | Load and Resistance Factor Design                                       |
| 45 | MIL     | _____ | Military Standard   |
| 46 | MRAS    | _____ | Manufactured Waste Reclaimed Asphalt Shingles                           |
| 47 | MRI     | _____ | Mean Roughness Index  |

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|    |       |   |
|----|-------|---|
| 1  | MTV   | Material Transfer Vehicle   |
| 2  | MUTCD | Manual on Uniform Traffic Control Devices and the North Carolina Supplement thereto |
| 3  |       |   |
| 4  | NCAC  | North Carolina Administrative Code  |
| 5  | NCDEQ | North Carolina Department of Environmental Quality                                  |
| 6  | NCDOT | North Carolina Department of Transportation   |
| 7  | NCGS  | North Carolina General Statutes   |
| 8  | NEC   | National Electrical Code  |
| 9  | NEMA  | National Electrical Manufacturers Association                                       |
| 10 | NESC  | National Electrical Safety Code   |
| 11 | NTPEP | National Transportation Product Evaluation Program                                  |
| 12 | OGFC  | Open-Graded Friction Course   |
| 13 | OSHA  | Occupational Safety and Health Administration                                       |
| 14 | OTDR  | Optical Time Domain Reflectometer   |
| 15 | PPV   | Peak Particle Velocity  |
| 16 | PADC  | Permeable Asphalt Drainage Course   |
| 17 | PDA   | Pile Driver Analyzer  |
| 18 | PDF   | Portable Document Format  |
| 19 | PI    | Plasticity Index (Material), Public Information Plan (Traffic Management)           |
| 20 | PIT   | Pile Integrity Testing  |
| 21 | POC   | Purchase Order Contract   |
| 22 | PMEM  | Polymer-Modified Emulsion Membrane  |
| 23 | PRAS  | Post Consumer Reclaimed Asphalt Shingles  |
| 24 | PVC   | Polyvinyl Chloride  |
| 25 | PVCO  | Molecularly Oriented Polyvinyl Chloride   |
| 26 | QA    | Quality Assurance   |
| 27 | QC    | Quality Control   |
| 28 | QMS   | Quality Management System   |
| 29 | QPL   | Qualified Products List   |
| 30 | RAP   | Reclaimed Asphalt Pavement  |
| 31 | RAS   | Reclaimed Asphalt Shingles  |
| 32 | RUS   | Rural Utilities Service   |
| 33 | SCTE  | Society of Cable Telecommunications Engineers                                       |
| 34 | SDS   | Safety Data Sheets  |
| 35 | SMFO  | Single Mode Fiber Optic (Cable or Connector)  |
| 36 | SSPC  | Society of Protective Coatings  |
| 37 | SWG   | Steel Wire Gauge  |
| 38 | STIP  | State Transportation Improvement Plan   |
| 39 | TMP   | Traffic Management Plan   |
| 40 | TO    | Transportation Operations Plan  |
| 41 | TSR   | Tensile Strength Ratio  |
| 42 | TTC   | Temporary Traffic Control Plan  |
| 43 | TTF   | Temperature-Time Factor   |
| 44 | UBWC  | Ultra-thin Bonded Wearing Course  |
| 45 | UL    | Underwriters' Laboratories, Inc.  |
| 46 | UST   | Underground Storage Tank  |
| 47 | UV    | Ultraviolet   |
| 48 | VEP   | Value Engineering Proposal  |
| 49 | VMA   | Voids in Mineral Aggregate  |
| 50 | VTM   | Voids in Total Mix  |
| 51 | WBS   | Work Balance Sheet  |
| 52 | WTAT  | Wet Track Abrasion Test   |
| 53 | WMA   | Warm Mix Asphalt  |

| <b>Symbol</b>                     | <b>Unit Name</b>                                       | <b>Symbol</b>          | <b>Unit Name</b>                        |
|-----------------------------------|--|------------------------|---|
| "                                 | Inch, Inches   | lb                     | Pound, Pounds                           |
| %                                 | Percent  | lbf                    | Pound(s) Force                          |
| ±                                 | Plus or Minus  | nm                     | Nanometer(s)                            |
| °                                 | Degree, Degrees  | mcd/lux/m <sup>2</sup> | Millicandellas per Lux per Square Meter |
| >                                 | Greater Than   | mg-cm                  | Milligram-Centimeter                    |
| ≥                                 | Greater Than or Equal to                               | mm                     | Millimeter, Millimeters                 |
| <                                 | Less Than  | mph                    | Mile(s) per Hour                        |
| ≤                                 | Less Than or Equal to                                  | oz                     | Ounce, Ounces                           |
| μ                                 | Micro  | pcf                    | Pounds per Cubic Foot                   |
| A, amp                            | Ampere, Amperes  | ppm                    | Parts per Million                       |
| cf                                | Cubic Foot, Cubic Feet                                 | psf                    | Pounds per Square Foot                  |
| cu.in.                            | Cubic Inch, Cubic Inches                               | psi                    | Pounds per Square Inch                  |
| cy                                | Cubic Yard, Cubic Yards                                | qt                     | Quart, Quarts                           |
| dB                                | Decibel, Decibels                                      | rpm                    | Rotations per Minute                    |
| F                                 | Fahrenheit   | sec                    | Second, Seconds                         |
| ft                                | Foot, Feet   | sf                     | Square Foot, Square Feet                |
| ft-lb                             | Foot-Pounds  | SFS                    | Saybolt Furol Seconds                   |
| gal                               | Gallon, Gallons  | sq.in.                 | Square Inch, Square Inches              |
| gpm                               | Gallon(s) per Minute                                   | sy                     | Square Yard, Square Yards               |
| G <sub>mm</sub> @N <sub>ini</sub> | Maximum Specific Gravity at Initial Number of Gyration | tsf                    | Tons per Square Foot                    |
| hr                                | Hour, Hours  | V, VAC                 | Voltage, Voltage of Alternating Current |
| Hz                                | Hertz  | vpm                    | Vibrations per Minute                   |
| J                                 | Joule, Joules  | W                      | Watt, Watts                             |
| kbps                              | Kilobit per Second                                     | Yd                     | Yard, Yards                             |
| ksi                               | Kips per Square Inch                                   |                        |   |

1 **101-3 DEFINITIONS**

2 **ACT OF GOD:** Events in nature so extraordinary that the history of climate variations and  
3 other conditions in the particular locality affords no reasonable warning of them.

4 **ADDITIONAL WORK:** Additional work is that which results from a change or alteration to  
5 the contract and for which there are existing contract unit prices.

6 **ADVERTISEMENT:** The public advertisement inviting bids for the construction of specific  
7 projects.

8 **AMOUNT BID:** The amount bid for a particular item of work in a proposal.

9 **ARTICLE:** A primary numbered subdivision of a section of the *Standard Specifications*.

10 **AWARD:** The decision of the Department of Transportation to accept the bid of the lowest  
11 responsible responsive bidder for work that is subject to the furnishing of payment and  
12 performance bonds and such other conditions as may be otherwise provided by law, the  
13 proposal and these specifications.

14 **BASE COURSE:** That portion of the pavement structure of planned thickness placed  
15 immediately below the pavement or surface course.

16 **BID (OR PROPOSAL):** *Paper Bid:* The offer of a bidder on the proposal furnished by the  
17 Department to perform the work and to furnish the labor and materials at the prices quoted.

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- 1 *Electronic Bid:* The electronic offer of a bidder via Bid Express® to the Department to  
2 perform the work and to furnish the labor and materials at the prices quoted.
- 3 **BID BOND OR BID DEPOSIT:** The security furnished by the bidder with his bid as  
4 guaranty that he will furnish the required bonds and execute such documents as may be  
5 required if his bid is accepted.
- 6 **BIDDER:** An individual, partnership, firm, corporation, LLC or joint venture formally  
7 submitting a bid for the work contemplated.
- 8 **BOARD OR BOARD OF TRANSPORTATION:** The Board created by the provisions of  
9 NCGS § 143B-350 for formulating policies for the Department of Transportation and  
10 awarding all transportation construction contracts.
- 11 **BRIDGE:** A structure including supports, erected over a depression or an obstruction such as  
12 water, highway or railway, and having a track or passage way for carrying traffic or other  
13 moving loads and having a length measured along the center of the roadway of more than  
14 20 ft between undercopings of end supports, spring lines of arches or between extreme ends  
15 of openings for multiple reinforced concrete box structures.
- 16 **BRIDGE LENGTH:** The length of a bridge structure is the overall length measured along  
17 the line of survey stationing back to back of backwalls of abutments, if present, otherwise end  
18 to end of the bridge floor.
- 19 **BRIDGE WIDTH:** The clear width measured at right angles to the longitudinal centerline of  
20 the bridge between the bottom of curbs, guard timbers or face of parapets, or in the case of  
21 multiple heights of curbs, between the bottoms of the lower risers.
- 22 **CALENDAR DAY:** A day shown on the calendar beginning and ending at midnight.
- 23 **CHIEF ENGINEER:** The Chief Engineer, Division of Highways, North Carolina  
24 Department of Transportation acting directly or through his duly authorized representatives.
- 25 **COMPLETION DATE:** That date established as set forth in the contract or as revised by  
26 authorized extensions, by which it is required that the work set forth in the contract be  
27 satisfactorily completed. When observation periods are required by the Specifications, they  
28 are not a part of the work to be completed by the completion date or intermediate contract  
29 times stated in the contract unless otherwise noted.
- 30 **CONSTRUCTION EASEMENT:** A right owned by the Department of Transportation in  
31 a parcel of land owned by a third party outside the highway right of way for containing  
32 construction that exceeds the right of way.
- 33 **CONTRACT:** The executed agreement between the Department and the successful bidder,  
34 covering the performance of and compensation for the work.
- 35 The term contract is all inclusive with reference to all written and electronic agreements  
36 affecting a contractual relationship and all documents referred to therein. The contract shall  
37 include, but not be limited to, the proposal, the printed contract form and attachments,  
38 contract bonds, plans, standard specifications and supplemental specifications, standard  
39 special provisions and project special provisions contained in the proposal and all executed  
40 supplemental agreements. All references to contracts shall include electronic agreements and  
41 printed paper agreements. These may include, but not be limited to, the electronic bid bond,  
42 Non-Collusion Certification, Debarment Certification, Gift Ban Certification and award  
43 limits.
- 44 The contract shall constitute one instrument.
- 45 **CONTRACT ITEM:** A specifically described unit of work for which a unit or lump sum  
46 price is provided in the contract. Synonymous with Pay Item.

- 1 **CONTRACT LUMP SUM PRICE:** The amount bid for a lump sum item that has been  
2 submitted by the Contractor in his proposal.
- 3 **CONTRACT PAYMENT BOND:** A bond furnished by the Contractor and his corporate  
4 surety securing the payment of those furnishing labor, materials and supplies for the  
5 construction of the project.
- 6 **CONTRACT PERFORMANCE BOND:** A bond furnished by the Contractor and his  
7 corporate surety guaranteeing the performance of the contract.
- 8 **CONTRACT TIME:** The number of calendar days inclusive between the date of availability  
9 and the completion date, said dates being established as set forth in the special provisions,  
10 including authorized extensions to the completion date.
- 11 **CONTRACT UNIT PRICE:** The unit bid price for a unit item that has been submitted by  
12 the Contractor in his proposal.
- 13 **CONTRACTOR:** The successful bidder to whom the contract has been awarded, and who  
14 has executed the contract and furnished acceptable contract bonds.
- 15 **CULVERT:** Any structure not classified as a bridge that provides an opening under the  
16 roadway.
- 17 **CURRENT CONTROLLING OPERATION OR OPERATIONS:** Any operation or  
18 operations, as determined by the Engineer, that if delayed would delay the completion of the  
19 project.
- 20 **DATE OF AVAILABILITY:** That date, established as set forth in the special provisions, by  
21 which it is anticipated that sufficient work sites within the project limits will be available for  
22 the Contractor to begin his controlling operations that are not otherwise limited by  
23 moratoriums, listed third party conflicts, or by weather conditions.
- 24 **DEPARTMENT or DEPARTMENT OF TRANSPORTATION:** A principal department  
25 of the Executive Branch that performs the functions of planning, design, construction and  
26 maintenance of an integrated statewide transportation system.
- 27 **DIVISION OF HIGHWAYS:** The division of the Department of Transportation that, under  
28 the direction of the Secretary of Transportation, carries out state highway planning, design,  
29 construction and maintenance functions assigned to the Department of Transportation.
- 30 **DRAINAGE EASEMENT:** A right, owned by the Department of Transportation, in a parcel  
31 of land owned by a third party outside the highway right of way, to construct and maintain  
32 ditches, channels, or structures for directing the course and flow of water outside the highway  
33 right of way.
- 34 **EASEMENT:** A property right to use or control real property of another.
- 35 **ENGINEER:** The Chief Engineer of the North Carolina Department of Transportation,  
36 acting directly or through a duly authorized representative, such representative acting within  
37 the scope of particular assigned duties or authority.
- 38 **EQUIPMENT:** All machinery and equipment, together with the necessary supplies, tools  
39 and apparatus for upkeep and maintenance, all of which are necessary for the proper  
40 construction and acceptable completion of the work.
- 41 **EXTRA WORK:** Work found necessary or desirable to fully complete the work as  
42 contemplated in the contract for which payment is not provided for by the contract unit or  
43 lump sum prices in the original contract. Extra work shall not be work that in the terms of the  
44 contract is incidental to work for which there is a contract price or work that payment is  
45 included in some other contract unit or lump sum price.

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- 1 **FINAL ACCEPTANCE DATE:** That date on which all work set forth in the contract and  
2 work modified by the Engineer is satisfactorily completed excluding any observation periods  
3 not specifically made a part of the work by the specifications or special provisions.
- 4 **FINAL ESTIMATE:** The document that contains a final statement of all quantities and total  
5 dollar amount for each item of work performed during the life of the contract including any  
6 adjustments to those amounts made under the terms of the contract. The final statement will  
7 be titled The Final Estimate and will be the document used to document final payment to the  
8 Contractor. Receipt of this document by the Contractor will begin the time frame for filing of  
9 a verified claim with the Department as provided for in NCGS § 136-29.
- 10 **FINAL ESTIMATE ASSEMBLY:** As constructed plans and other project records that  
11 establish the final statement of quantities to be paid and document work performed on the  
12 project.
- 13 **FORCE ACCOUNT NOTICE:** A written notice to the Contractor that extra work ordered  
14 by the Engineer will be paid as force account work.
- 15 **FORCE ACCOUNT WORK:** Work that is paid in accordance with Article 109-3 or on the  
16 basis of the force account formula provided in the contract.
- 17 **HIGHWAY:** A general term denoting a public way for purposes of vehicular travel,  
18 including the entire area within the right of way. Synonymous with Road and Street.
- 19 **HOUR:** One of the 24 equal parts of a day.
- 20 **INSPECTOR:** The authorized representative of the Engineer assigned to make a detailed  
21 inspection of any or all portions of the work and materials.
- 22 **INTERMEDIATE COMPLETION DATE:** That date established as set forth in the special  
23 provisions or as revised by authorized extensions, by which date it is required that the portion  
24 of work set forth in the contract be satisfactorily completed.
- 25 **INTERMEDIATE COMPLETION TIME:** The time established as set forth in the special  
26 provisions or as revised by authorized extensions, by which it is required that the portion of  
27 work set forth in the contract be satisfactorily completed.
- 28 **INTERMEDIATE CONTRACT TIME (DAYS):** The number of calendar days inclusive  
29 between the date of availability and the intermediate completion date, said days being  
30 established as set forth in the special provisions, or as revised by authorized extensions, by  
31 which it is required that a portion of that work set forth in the contract be satisfactorily  
32 completed.
- 33 **INTERMEDIATE CONTRACT TIME (HOURS):** The number of hours inclusive  
34 between the time of availability and the intermediate completion time, said times being  
35 established as set forth in the special provisions, including authorized extensions to the  
36 intermediate completion time.
- 37 **INVERT:** The lowest point in the internal cross section of a pipe or other culvert.
- 38 **INVITATION TO BID:** The notification that bids will be received for the construction of  
39 specific projects.
- 40 **LABORATORY:** The testing laboratory of the Department of Transportation or any other  
41 testing laboratory that may be designated or approved by the Engineer.
- 42 **LOCAL TRAFFIC:** Traffic that must use the facility under construction to reach its  
43 destination.
- 44 **MAJOR AND MINOR CONTRACT ITEMS:** Major contract items are listed as such in  
45 the project special provisions. All other original contract items and extra work shall be  
46 considered as minor items.

- 1     **MATERIALS:** Any substances that may be incorporated into the construction of the project.
- 2     **MEDIAN:** The center section of a divided highway that separates the traffic lanes in one  
3     direction from the traffic lanes in the opposite direction.
- 4     **MOBILIZATION:** The work described in Article 800-1.
- 5     **PAVEMENT STRUCTURE:** The combination of base and surface courses placed on  
6     a subgrade to support the traffic load and distribute it to the roadbed.
- 7     **PAY ITEM:** Synonymous with Contract Item.
- 8     **PLANS:** The approved plans, profiles, typical roadway sections, appropriate standard  
9     drawings, supplemental plans and working drawings, or exact reproductions thereof, that  
10    show the location, dimensions and details of the work to be done and that are a part of the  
11    contract.
- 12    **PREBID CONFERENCE:** A conference held before bids are accepted on a project at which  
13    representatives of the Department will provide information and accept and answer questions  
14    from interested parties.
- 15    **PROJECT:** The work specified under the contract.
- 16    **PROJECT SPECIAL PROVISIONS:** Special provisions peculiar to the project and not  
17    otherwise thoroughly or appropriately set forth in the standard specifications or plans.
- 18    **PROPOSAL:** The electronic or paper document provided by the Department that the bidder  
19    uses to develop his electronic or paper offer to perform the work at designated bid prices.
- 20    **PURCHASE ORDER BIDDER:** A Bidder that can bid on any Department Purchase Order  
21    Contract or Division Let Contract.
- 22    **RIGHT OF WAY:** The land area shown in the plans as right of way to be furnished by the  
23    Department of Transportation within which the project is to be constructed.
- 24    **ROAD:** Synonymous with Highway and Street.
- 25    **ROADBED:** The graded portion of a highway usually considered as the area between the  
26    intersections of top and side slopes, upon which the base course, surface course, shoulders and  
27    medians are constructed.
- 28    **ROADSIDE:** A general term denoting the area within the limits of the right of way adjoining  
29    the outer edge of the roadway. Extensive areas between the roadways of a divided highway  
30    may be considered roadside.
- 31    **ROADWAY:** The portion of a highway within limits of construction.
- 32    **SECTION:** A numbered chapter of the standard specifications.
- 33    **SHOULDER:** The portion of the roadway adjacent to the traveled way for accommodation  
34    of stopped vehicles, for emergency use and for lateral support of base and surface courses.
- 35    **SIDEWALK:** That portion of the roadway primarily constructed for pedestrian traffic.
- 36    **SKEW ANGLE:** The angle between the centerline of the project and the centerline of a pipe,  
37    culvert, bridge pier, bent, abutment, or other drainage feature, measured to the right of the  
38    project centerline facing in the direction of progressing stations.
- 39    **SPECIAL PROVISIONS:** Project special provisions and standard special provisions taken  
40    together as one body of special provisions.
- 41    **SPECIFICATIONS:** The general term comprising all the directions, provisions and  
42    requirements contained or referred to in the *Standard Specifications*, including the  
43    Supplemental Specifications, together with such additional directions, provisions and  
44    requirements that may be added or adopted as special provisions.

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- 1 **STANDARD DRAWINGS:** The general term comprising all the directions, provisions and  
2 requirements contained or referred to in the book entitled *Roadway Standard Drawings* and in  
3 any subsequent revisions or additions to such book that are issued as Detail Drawings.
- 4 **STANDARD SPECIAL PROVISIONS:** Special directions or requirements not otherwise  
5 thoroughly or appropriately set forth in the standard specifications and that are peculiar to  
6 a selected group of projects.
- 7 **STANDARD SPECIFICATIONS:** The general term comprising all the directions,  
8 provisions and requirements contained or referred to in this book entitled *Standard*  
9 *Specifications for Roads and Structures* and in any subsequent revisions or additions to such  
10 book that are issued as Supplemental Specifications.
- 11 **STATE:** The State of North Carolina.
- 12 **STATION:** A station, when used as a term of measurement, will be 100 linear feet measured  
13 horizontally. When used as a location, it will be a designated point on the project.
- 14 **STREET:** Synonymous with Highway and Road.
- 15 **SUBCONTRACTOR:** An individual, partnership, firm, joint venture, LLC or corporation to  
16 whom the Contractor, with the written consent of the Engineer, sublets any part of the  
17 contract.
- 18 **SUBGRADE:** That portion of the roadbed prepared as a foundation for the pavement  
19 structure including curb and gutter. On portions of projects that do not include the  
20 construction of a base course or pavement, the presence of the subgrade will not be  
21 recognized during the life of such contract.
- 22 **SUBSTRUCTURE:** All of that part of the structure below the bearings of simple and  
23 continuous spans, spans, skew back of arches and tops of footings of rigid frames, together  
24 with the backwalls and wingwalls.
- 25 **SUCCESSFUL BIDDER:** The bidder awarded a contract.
- 26 **SUPERINTENDENT:** The representative of the Contractor authorized to supervise and  
27 direct the construction for the Contractor and to receive and fulfill directions from the  
28 Engineer.
- 29 **SUPERSTRUCTURE:** All of the part of the structure exclusive of the substructure.
- 30 **SUPPLEMENTAL AGREEMENT:** A written agreement between the Contractor and the  
31 Department of Transportation covering amendments to the contract.
- 32 **SUPPLEMENTAL SPECIFICATIONS:** Specifications, regulations, standards, manuals or  
33 codes referenced in the contract or general revisions or additions to this book of standard  
34 specifications that are issued under the title of Supplemental Specifications. Supplemental  
35 Specifications shall be considered part of the *Standard Specifications*.
- 36 **SURETY:** A corporate bonding company furnishing the bid bond or furnishing the contract  
37 payment and performance bonds.
- 38 **TEMPORARY CONSTRUCTION EASEMENT:** A temporary right, owned by the  
39 Department of Transportation, in a parcel of land owned by a third party outside the highway  
40 right of way, for the use of the Department of Transportation during the construction and that  
41 reverts to the third party on completion of construction.
- 42 **THROUGH TRAFFIC:** Traffic that can reach its destination by a route or routes other than  
43 the facility under construction.
- 44 **TIME OF AVAILABILITY:** That time established as set forth in the special provisions, by  
45 which it is anticipated that sufficient work sites within the project limits will be available for  
46 the Contractor to begin his controlling operations.



1 **TOTAL AMOUNT BID:** Same as total price bid. The total amount bid will be considered  
 2 to be the correct sum total obtained by adding together the amounts bid for every item in the  
 3 proposal other than items that are authorized alternates to those items for which an amount bid  
 4 has been established.

5 **UNBALANCED BID:** A bid that includes any unbalanced bid price.

6 **UNBALANCED BID PRICE:** A unit or lump sum bid price that does not reflect reasonable  
 7 actual costs that the bidder anticipates for the performance of the item in question along with  
 8 a reasonable proportionate share of the bidder's anticipated profit, overhead costs and other  
 9 indirect costs.

10 **WORK:** Work shall mean the furnishing of all labor, materials, equipment and incidentals  
 11 necessary or convenient to the successful completion of the project, or any part, portion or  
 12 phase thereof, and the carrying out of all duties and obligations imposed by the contract.

13 **WORKING DRAWINGS:** Stress sheets, shop drawings, erection drawings, falsework  
 14 drawings, cofferdam drawings, catalog cuts, or any other supplementary drawings or similar  
 15 data that the Contractor is required to submit to the Engineer for review or approval.

## 16 SECTION 102

### 17 BIDDING REQUIREMENTS AND CONDITIONS

#### 18 102-1 INVITATION TO BID

19 After the advertisement has been made, an Invitation to Bid will be made available on the  
 20 Department's website to interested parties, informing them that bids will be received for the  
 21 construction of specific projects. Such invitations will indicate the contract identification  
 22 number, length, locations and descriptions; a general summary of the items and approximate  
 23 quantities of work to be performed; and the time and place for the public opening and reading  
 24 of the bids received. Information concerning the cost and availability of plans and proposals  
 25 will be indicated in the Invitation to Bid.

26 All projects will be advertised in daily newspapers throughout the state before the bid  
 27 opening.

#### 28 102-2 CONTRACTOR PREQUALIFICATION

29 Contractors desiring to perform work on Department projects shall prequalify with the  
 30 Department. Upon prequalification, contractors will be placed on the Department's  
 31 Prequalified Contractors' List on the Directory of Transportation Firms. The requirements for  
 32 prequalification are as follows:

##### 33 (A) Bidder Prequalification

- 34 (1) Applicant shall submit a completed Bidder Experience Questionnaire, along with any  
 35 additional supporting information requested by the Department, as noted in the  
 36 experience questionnaire package. Additional requirements for prequalification may  
 37 be set forth in the bid proposal.
- 38 (2) Applicant shall demonstrate that he has sufficient ability and experience in related  
 39 transportation construction projects to perform the work specified in the  
 40 Department's contracts, including the type and dollar value of previous contracts.
- 41 (3) Applicant shall demonstrate a history of successful performance and completion of  
 42 projects in a timely manner, subject to contract time adjustments.
- 43 (4) Applicant shall demonstrate the financial ability to furnish bonds as specified in  
 44 NCGS § 44A-26 and any other relevant statutes.
- 45 (5) Applicant shall demonstrate sufficient and readily available equipment to perform  
 46 transportation construction contracts in a timely manner.