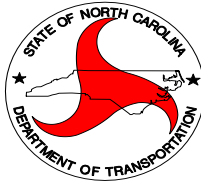


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



Division 14

District 2

ID/IQ Contract

CONTRACT: DN12225454
TIP Number: N/A
FEDERAL: STATE FUNDED
WBS Element: GMR14.HAY.1NB, 14BPR.10443
LOCATION: HAYWOOD COUNTY MASS CONCRETE ARCH
TUNNELS:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53
COUNTY: HAYWOOD
DESCRIPTION: ID-IQ ON-CALL TUNNEL LIGHTING SERVICES
HAYWOOD COUNTY MASS CONCRETE ARCH
TUNNELS:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53

Contractor: MB Haynes Corporation DBA Haynes Electric Utility
A Divis Of MB Haynes Corp
Address: PO Box 16589
Asheville, NC 28816

Division Engineer: Wesley Grindstaff, P.E.
District Engineer: W. Cody Weddle, P.E.
Bridge Maintenance Engineer: Spender McDonald

Letting Date: 6/23/2026

Contract Execution: 07/14/2026

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 14

ID/IQ PROPOSAL

DATE AND TIME OF BID OPENING: JUNE 23, 2026 AT 2:00 PM

CONTRACT ID: DN12225454

WBS ELEMENT NO.: GMR14.HAY.1NB, 14BPR.10443

FEDERAL AID NO.: STATE FUNDED

COUNTY: HAYWOOD

TIP NO.: N/A

MILES: VARIES

ROUTE NO.: I-40

LOCATION: HAYWOOD COUNTY MASS CONCRETE ARCH TUNNELS:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53

TYPE OF WORK: ID-IQ ON-CALL TUNNEL LIGHTING SERVICES

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$40,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

THIS IS A ROADWAY PROJECT.

BID BOND IS NOT REQUIRED.

MB Haynes Corporation DBA Haynes Electric Utility A Divis Of MB Haynes Corp

NAME OF BIDDER

PO Box 16589 Asheville, NC 28816

ADDRESS OF BIDDER

**PROPOSAL FOR THE CONSTRUCTION OF
CONTRACT No. DN12225454 IN Haywood County, NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION,
RALEIGH, NORTH CAROLINA**

The Bidder has carefully examined the location of the proposed work to be known as Contract No. **DN12225454**; has carefully examined the plans and specifications, which are acknowledged to be part of the proposal, the special provisions, the proposal, the form of contract; and thoroughly understands the stipulations, requirements and provisions. The undersigned bidder agrees to be bound upon his execution of the bid and subsequent award to him by the Department of Transportation in accordance with this proposal. Payment and performance bonds are not required on this project. The undersigned Bidder further agrees to provide all necessary machinery, tools, labor, and other means of construction; and to do all the work and to furnish all materials, except as otherwise noted, necessary to perform and complete the said contract in accordance with the *2024 Standard Specifications for Roads and Structures* by the dates(s) specified in the Project Special Provisions and in accordance with the requirements of the Engineer, and at the unit or lump sum prices, as the case may be, for the various items given on the sheets contained herein.

The Bidder shall provide and furnish all the materials, machinery, implements, appliances and tools, and perform the work and required labor to construct and complete Contract No. **DN12225454** in **Haywood County**, for the unit or lump sum prices, as the case may be, bid by the Bidder in his bid and according to the proposal, plans, and specifications prepared by said Department, which proposal, plans, and specifications show the details covering this project, and hereby become a part of this contract.

The published volume entitled *North Carolina Department of Transportation, Raleigh, Standard Specifications for Roads and Structures, January 2024* with all amendments and supplements thereto, is by reference incorporated into and made a part of this contract; that, except as herein modified, all the construction and work included in this contract is to be done in accordance with the specifications contained in said volume, and amendments and supplements thereto, under the direction of the Engineer.

If the proposal is accepted and the award is made, the contract is valid only when signed either by the Contract Officer or such other person as may be designated by the Secretary to sign for the Department of Transportation. The conditions and provisions herein cannot be changed except over the signature of the said Contract Officer or Division Engineer.

The quantities shown in the itemized proposal for the project are considered to be approximate only and are given as the basis for comparison of bids. The Department of Transportation may increase or decrease the quantity of any item or portion of the work as may be deemed necessary or expedient.

An increase or decrease in the quantity of an item will not be regarded as sufficient ground for an increase or decrease in the unit prices, nor in the time allowed for the completion of the work, except as provided for the contract.



Signed by:

29BD93927CF24F6...

07/08/2026

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INSTRUCTIONS TO BIDDERS**PLEASE READ ALL INSTRUCTIONS CAREFULLY
BEFORE PREPARING AND SUBMITTING YOUR BID.**

All bids shall be prepared and submitted in accordance with the following requirements. Failure to comply with any requirement may cause the bid to be considered irregular and may be grounds for rejection of the bid.

TRADITIONAL PAPER BIDS:

1. Download the entire proposal from the Connect NCDOT website and return the entire proposal with your bid.
2. In accordance with Article 102-3 of the *Standard Specifications*, registration on the Interested Parties List is required unless SP1 G02 Interested Parties List Not Required provision is included in the proposal.
3. All entries on the itemized proposal sheet (bid form) shall be written in ink or typed.
4. The Bidder shall submit a unit price for every item on the itemized proposal sheet. The unit prices for the various contract items shall be written in figures. Unit prices shall be rounded off by the Bidder to contain no more than FOUR decimal places.
5. An amount bid shall be entered on the itemized proposal sheet for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount" column of the form.
6. The total amount bid shall be written in figures in the proper place on the bid form. The total amount bid shall be determined by adding the amounts bid for each item.
7. Changes to any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink. Do not use correction fluid, correction tape or similar product to make corrections.
8. The bid shall be properly executed on the included **Execution of Bid – Non-collusion, Debarment and Gift Ban Certification** form. All bids shall show the following information:
 - a. Name of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.
Corporations that have a corporate seal shall include it on the bid, otherwise write your corporations name in the seal location.
 - b. Name of individual or representative submitting bid and position or title held on behalf of the bidder.
 - c. Name, signature, and position or title of witness.
9. The bid shall not contain any unauthorized additions, deletions, or conditional bids.
10. The Bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
11. **THE PROPOSAL WITH THE ITEMIZED PROPOSAL SHEET ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL BE DELIVERED TO AND RECEIVED IN THE NCDOT DIVISION OFFICE, LOCATED AT 253 Webster Road Sylva, NC 28779, BY 2:00 PM ON, June 23, 2026.**
12. The sealed bid must display the following statement on the front of the sealed envelope:

**QUOTATION FOR – CONTRACT ID DN12225454 – ID-IQ ON-CALL TUNNEL LIGHTING
SERVICES AT HAYWOOD COUNTY MASS CONCRETE ARCH TUNNELS:****#0104, I-40 EAST BOUND LANE, MP 8.28****#0015, I-40 EAST BOUND LANE, MP 4.12****#0017, I-40 WEST BOUND LANE, MP 32.53 TO BE OPENED AT 2:00 PM ON, June 23, 2026.**

As well as the following information:

- a. Name of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.
- b. Name of individual or representative submitting bid and position or title held on behalf of the bidder.
- c. Address of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.

- d. SAP Vendor Number of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.
 - e. Contractor License Number, if available, of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.
13. If delivered by mail, the sealed envelope shall be placed in another sealed envelope and the outer envelope shall be addressed as follows:

**N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS, DIVISION 14
ATTN: Jeffrey E. Alspaugh, EI
253 Webster Road
Sylva, NC 28779**

14. Questions should be emailed 7 calendar days prior to the bid opening to **Jeffrey E. Alspaugh, EI** at **d14contracts@ncdot.gov**. Contact with any other NCDOT personnel concerning this project is strictly prohibited, unless otherwise noted, and may result in bids being considered non-responsive.

PROJECT SPECIAL PROVISIONS**GENERAL****MANDATORY PRE-BID CONFERENCE (Prequalifying To Bid):**

(7-18-06) (Rev. 3-25-13)

SPD 1-310

In order for all prospective bidders to have an extensive knowledge of the project, all prospective bidders shall attend a mandatory pre-bid conference on **Monday, June 15, 2026, at 12:00 PM.**

Location: **NCDOT Division 14 Office**
253 Webster Rd
Sylva NC 28779

Point of Contact: **Spencer McDonald**
(828) 488-0902

The pre-bid conference will include a thorough discussion of the plans, contract pay items, special provisions, etc.

Only bidders who have attended and properly registered at the above scheduled pre-bid conference and who have met all other prequalification requirements will be considered prequalified to bid on this project. A bid received from a bidder who has not attended and properly registered at the above scheduled pre-bid conference will not be accepted and considered for award.

Attendance at the pre-bid conference will not meet the requirements of proper registration unless the individual attending has registered at the pre-bid conference in accordance with the following:

- (A) The individual has signed his name on the official roster prior to the above noted time for the beginning of the conference.
- (B) The individual has written in the name and address of the company he or she represents.
- (C) Only one company has been shown as being represented by the individual attending.
- (D) The individual attending is an officer or permanent employee of the company they are representing.

Any individual arriving after the official roster has been received by the Engineer will not be eligible to bid. Attendance at any prior pre-bid conference will not meet the requirement of this provision.

INTERESTED PARTIES LIST NOT REQUIRED:

(6-21-22)(Rev. 2-20-24)

102

SP1 G02

Revise the *Standard Specifications* as follows:

The *Interested Parties List* sign up process is not applicable to this contract.

Page 1-13, Article 102-3 PROPOSALS AND INTERESTED PARTIES LIST, lines 12-15, delete the first paragraph.

Page 1-14, Article 102-8 PREPARATION AND SUBMISSION OF BIDS, lines 43-44, delete the first sentence of the first paragraph.

HAUL ROADS:

(7-16-24)

105

SP1 G04

Revise the *Standard Specifications* as follows:

Page 1-45, Article 105-15 RESTRICTION OF LOAD LIMITS, line 31, add the following after second sentence of the second paragraph:

At least 30 days prior to use, the Contractor shall notify the Engineer of any public road proposed for use as a haul road for the project.

CONTRACT TIME FOR ID/IQ:

(2-15-22)(Rev. 4-15-25)

108

SP1 G11

The date of availability for this contract is **July 20, 2026**.

The completion date for this contract is **July 19, 2027**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

Work shall be accomplished in a continuous manner once the contractor begins.

The liquidated damages for this contract will be assessed per the Mobilization and Liquidated Damages for ID/IQ provision located elsewhere in this contract.

NON-EXCLUSIVE CONTRACT:

(6-1-15)

SPD 01-750

The Department may, as it deems to be in the best interest of the state and the Department of Transportation, execute more than one contract based on this proposal. The Contractor(s) understands and agrees, by signature on the Purchase Order Contract Bid Proposal, that this agreement does not constitute an exclusive contract. If awarded, the contracts will be executed with the lowest responsible bidders. The Department of Transportation reserves the right to make

multiple awards for the services provided by this contract. Furthermore, the Department reserves the right to reject all bids received.

WORK ORDER ASSIGNMENT (MULTIPLE AWARDS) FOR ID/IQ:

(2-15-22)(Rev. 4-19-22)

SPD 01-800B

Work orders will be assigned based on the lowest work order cost for the line items and estimated quantities necessary to complete the work order. Unit prices from each awarded contractor's bid will be used to determine the lowest cost for each work order. The assigned Contractor shall respond to the work order assignment with the anticipated start date, within three working days of notification unless noted otherwise. Failure on the part of the Contractor to reply within the specified time frame may be received as a rejection of the work order. If the Contractor with the lowest work order cost cannot complete the work within the time specified in the assignment, the Engineer may contact the Contractor with the next lowest work order cost. If that Contractor can complete the work within the time specified in the assignment, then the work order will be assigned to that contractor. If not, assignment of work order will continue in order of work order cost until all awarded Contractors have had a chance to accept the terms of the assignment.

For federal ID/IQ contracts, all work orders will be assigned via the Work Order Assignment form (Form IDIQ-1MA), and the Contractor is required to formally respond in writing for federal work orders within three working days, unless noted otherwise. The Work Order Assignment form will also be used for any state ID/IQ contract in which the estimated work order cost meets the threshold for Performance and Payment Bonds in accordance with the Bonding Requirements for ID/IQ provision found elsewhere in this contract. For state ID/IQ contracts in which the work order assignment doesn't meet the threshold for bonds, the Department has the option to use the Work Order Assignment Form or other methods for work order assignments as agreed upon by the Engineer and Contractor.

The Contractor shall be required to prosecute the work in a continuous and uninterrupted manner from the time they begin the work until completion and final acceptance of the work order. Multiple failures of the Contractor to mobilize and begin work on the work order within the agreed upon time frame or failure to complete the work within the given time frame may result in the Contractor being excluded from future work on this contract in accordance with the *Standard Specifications*.

BONDING REQUIREMENTS FOR ID/IQ:

(2-15-22)

SPD 01-810

For purposes of this ID/IQ contract, the following definitions apply:

Project Agreement: A transportation improvement with a defined scope of work; a written agreement between NCDOT and the Federal Government defining the extent of construction work to be undertaken in accordance with the submitted plans, specifications and estimates. Execution of the agreement prompts the authorization to proceed (construction funding).

Project: An undertaking issued to a contractor through a Work Order Assignment. The construction under a Project Agreement may be accomplished by one or more work order assignments, from one or more ID/IQ contracts. Note that for ID/IQ contracts this definition supersedes the definition in the Standard Specifications.

Award: The issuance of a signed Work Order Assignment by NCDOT shall constitute the notice of award of a project.

In accordance with North Carolina General Statute 44A-26, bonds are required on contracts awarded for any one project that exceeds \$500,000. Beyond statutory requirements, NCDOT policy requires payment and performance bonds on all projects where the engineer's estimate is \$450,000 or greater, all Asphalt Surface Treatment projects, and projects containing the 12-month guarantee provision. The limit for waiving bonds for all bridge replacement and major bridge rehabilitation projects (latex overlays, etc.) is \$300,000 based on the engineer's estimate. The decision of bonding of a work order assignment below the dollar amounts listed shall be at the discretion of the Division's evaluation of the risks associated with the project.

The need for contract payment and performance bonds will be determined at the Work Order Assignment level. The Work Order Assignment will notify the Contractor of an award of a project and if required, to provide contract payment and performance bonds per Article 103-7 of the *Standard Specifications*. The Work Order Assignment replaces the Notification of Award Letter mentioned in Article 103-4(A) of the *Standard Specifications*.

MOBILIZATION AND LIQUIDATED DAMAGES FOR ID/IQ:

(2-15-22)

SPD 01-820

The Contractor shall mobilize to each location he is required to perform work. There will be no direct pay for Mobilization as it will be incidental to the other bid items. The only exception is if there is an Emergency Mobilization provision within the contract.

The Contractor will be provided a Work Order Assignment for each project with location(s), estimated quantities, and liquidated damages unless waived by the Engineer. Notification will be verbal followed by a faxed or emailed signed Work Order Assignment. There will be no minimum quantities for any line item associated with a particular mobilization. The Contractor shall complete the work identified on each Work Order Assignment.

The Contractor shall mobilize and complete the work within the time specified on the Work Order Assignment. Failure to complete the work by the completion date may result in the application of liquidated damages. Liquidated damage amounts will be based on the work order estimate and the liquidated damage table below.

Work Order Value	Liquidated Damages (per calendar day)
\$0 - \$100K	\$100.00
\$100K - \$200K	\$250.00
\$200K - \$300K	\$500.00
\$300K - \$500K	\$600.00
\$500K - \$1M	\$700.00
\$1M - \$2M	\$850.00

EMERGENCY MOBILIZATION FOR ID/IQ:

(2-15-22)

SPD 01-830

The Contractor shall arrive on site within **Forty Eight (48)** hours of notification. Compensation will be in addition to the specific line items in the contract. *Emergency Mobilization* will be paid for at the contract unit price per each. Failure to respond within the time frame will result in nonpayment of this item.

Payment will be made under:

Pay Item

Emergency Mobilization

Pay Unit

Each

RENEWAL OF CONTRACT (CPI PRICE ADJUSTMENT) FOR ID/IQ:

(2-15-22)(Rev. 9-19-23)

SPD 01-840

The Contractor shall submit a bid for one year. At the option of the Department, this contract may be extended for **Two (2)** additional periods of one year each (maximum (3) three years total). Each year shall have a limit of **Five Million Dollars (\$5,000,000.00)**.

The compensation payable to the contractor shall be fixed for the first twelve months of this contract. However, upon an application of renewal of the contract, or thirty days prior to the end of each contract period, the renewal contract may be adjusted to reflect the adjustment in the Consumer Price Index over the latest twelve month period as published by the US Bureau of Labor and Statistics at <http://www.bls.gov/cpi> to be applied to new work order assignments. The Consumer Price Index for All Urban Consumers (CPI-U), US City Average, All Items, 1982-84=100, not seasonally adjusted will be used. If the amount of the requested adjustment is more than ten percent, the Department of Transportation reserves the right to cancel this contract.

CPI adjustment values can be determined using the calculator on the NCDOT Construction website.

This price escalation method will not be applied to items of work that are separately covered under commodity price escalation clauses. No other changes in the terms, conditions, etc. of this contract will be made when an extension to the contract is implemented. The Engineer will notify the Contractor in writing by **60** if the contract may be extended. The Contractor must notify the Engineer in writing by **30** of his acceptance or rejection of this offer. Failure on the part of the Contractor to reply will be received as a rejection of contract extension.

DISPUTE RESOLUTION PROCESS FOR ID/IQ:

(2-15-22)(Rev. 1-16-24)

SPD 01-850

If a question should arise on the contract or assignment of a work order, the contractor should notify the Engineer noted on the assignment documentation or the Division Engineer within 48 hours after the scheduled time of bid opening or work order assignment. The following should be included in the notification if applicable:

- (A) the contract for which bids were solicited;
- (B) the particular law, regulation, or contract specification violated;
- (C) a detailed description of the alleged violation; and
- (D) any other information deemed to be relevant.

Once the initial evaluation has been completed, the contractor may be asked to attend a meeting for further discussion and clarification.

Once a determination has been made, the contractor will be notified of the decision by the Division Engineer. If the decision does not meet the satisfaction of the contractor, they have 24 hours from the Division Engineer's notification to elevate the dispute to the Chief Engineer. The Chief Engineer will make the final decision and will not be subject to further review by NCDOT.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to a multi-lane two-way traffic pattern.

The Contractor shall not close or narrow a lane of traffic on **I-40 from Exit 27 (US 74) to Buncombe County Line in Haywood County** during the following time restrictions:

DAY AND TIME RESTRICTIONS

Dates	Monday through Thursday	Friday	Saturday	Sunday
October 1, 2026 through November 2, 2026 (Leaf Season)	from 6:00A.M. to 7:00 P.M	from 6:00A.M. to 9:00 P.M	from 9:00A.M. to 9:00 P.M	from Noon. to 8:00 P.M
May 21, 2026 through September 8, 2026 (Summer)	from 6:00A.M. to 7:00 P.M	from 6:00A.M. to 9:00 P.M	from 9:00A.M. to 9:00 P.M	from Noon. to 8:00 P.M
November 20, 2026 through January 6, 2027 (Christmas Retail)	from 6:00A.M. to 9:00 P.M	All Times	All Times	All Times
December 16, 2026 through January 6, 2027 (Christmas)	All Times	All Times	All Times	All Times
March 25, 2027 through March 29, 2027 (Easter)	All Times	All Times	All Times	All Times
May 28, 2027 through June 1, 2027 (Memorial Day)	All Times	All Times	All Times	All Times
12:00 Noon July 2, 2026 through 8:00 AM July 7, 2026 (Independence Day)	All Times	All Times	All Times	All Times

August 27, 2026 through September 1, 2026 (Labor Day)	All Times	All Times	All Times	All Times
November 24, 2026 through November 30, 2026 (Thanksgiving)	All Times	All Times	All Times	All Times

In addition, the Contractor shall not close or narrow a lane of traffic on Non-Freeway Routes, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of 4:00 p.m. December 31st and 7:00 a.m. January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until 7:00 a.m. the following Tuesday.
3. For **Easter**, between the hours of 4:00 p.m. Thursday and 7:00 a.m. Monday.
4. For **Memorial Day**, between the hours of 4:00 p.m. Friday and 7:00 a.m. Tuesday.
5. For **Independence Day**, between the hours of 4:00 p.m. the day before Independence Day and 7:00 a.m. the day after Independence Day.

If **Independence Day** is on a Friday, Saturday, Sunday or Monday, then between the hours of 4:00 p.m. the Thursday before Independence Day and 7:00 a.m. the Tuesday after Independence Day.

6. For **Labor Day**, between the hours of 4:00 p.m. Friday and 7:00 a.m. Tuesday.
7. For **Thanksgiving Day**, between the hours of 4:00 p.m. Tuesday and 7:00 a.m. Monday.
8. For **Christmas**, between the hours of 4:00 p.m. the Friday before the week of Christmas Day and 7:00 a.m. the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures are not required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated herein and place traffic in a normal traffic pattern.

The liquidated damages are **Two Hundred Fifty Dollars (\$250.00)** per hour.

NO MAJOR CONTRACT ITEMS:

(2-19-02) (Rev. 8-21-07)

104

SP1 G31

None of the items included in this contract will be major items.

NO SPECIALTY ITEMS:

(7-1-95)(Rev. 1-16-24)

108-6

SP1 G34

None of the items included in this contract will be specialty items (see Article 108-6 of the *Standard Specifications*).

FUEL PRICE ADJUSTMENT PAPER BID:

(11-15-05)(Rev. 1-16-24)

109-8

SP1 G44

Revise the *Standard Specifications* as follows:

Page 1-82, Article 109-8, FUEL PRICE ADJUSTMENTS, add the following:

The base index price for DIESEL #2 FUEL is **\$4.1012** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Erosion Control Stone	Gal/Ton	0.55
Rip Rap, Class _____	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Open-Graded Asphalt Friction Course	Gal/Ton	0.90 or 2.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	0.90 or 2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Ultra-thin Bonded Wearing Course	Gal/Ton	0.90 or 2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
> 11" Portland Cement Concrete Pavement	Gal/SY	0.327
Concrete Shoulders Adjacent to > 11" Pavement	Gal/SY	0.327
9" to 11" Portland Cement Concrete Pavement	Gal/SY	0.272
Concrete Shoulders Adjacent to 9" to 11" Pavement	Gal/SY	0.272
< 9" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to < 9" Pavement	Gal/SY	0.245

For the asphalt items noted in the chart as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form for Paper Bid* with their bid submission if they elect to use the fuel usage factor. The *Fuel Usage Factor Adjustment Form for Paper Bid* is included toward the end of this paper bid document when asphalt items noted in the chart as eligible for fuel adjustments are part of the project.

Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each asphalt line item on the *Fuel Usage Factor Adjustment Form for Paper Bid*. The selected fuel factor for each asphalt item will remain in effect for the duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form for Paper Bid* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items noted above. The contractor will not be permitted to change the Fuel Usage Factor after the bids are submitted.

SCHEDULE OF ESTIMATED COMPLETION PROGRESS:

(7-15-08)(Rev. 6-16-26)

108-2

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability of Funds Termination of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

<u>Fiscal Year</u>	<u>Progress (% of Dollar Value)</u>
2027 (7/01/26 - 6/30/27)	95% of Total Amount Bid
2028 (7/01/27 - 6/30/28)	5% of Total Amount Bid

The Contractor shall also furnish his own progress schedule in accordance with Article 108-2 of the *Standard Specifications*. Any acceleration of the progress as shown by the Contractor's progress schedule over the progress as shown above shall be subject to the approval of the Engineer.

MINORITY BUSINESS ENTERPRISE AND WOMEN BUSINESS ENTERPRISE (DIVISIONS):

(10-16-07)(Rev. 10-21-25)

102-15(J)

SP1 G67

Description

The purpose of this Special Provision is to carry out the North Carolina Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with State funds.

Definitions

Additional MBE/WBE Subcontractors - Any MBE/WBE submitted at the time of bid that will not be used to meet the Combined MBE/WBE goal. No submittal of a Letter of Intent is required.

Combined MBE/WBE Goal: A portion of the total contract, expressed as a percentage that is to be performed by committed MBE/WBE subcontractors.

Committed MBE/WBE Subcontractor - Any MBE/WBE submitted at the time of bid that is being used to meet the Combined MBE / WBE goal by submission of a Letter of Intent. Or any MBE or WBE used as a replacement for a previously committed MBE or WBE firm.

Contract Goal Requirement - The approved participation at time of award, but not greater than the advertised Combined MBE/WBE contract goal.

Goal Confirmation Letter - Written documentation from the Department to the bidder confirming the Contractor's approved, committed participation along with a listing of the committed MBE and WBE firms.

Manufacturer - A firm that owns (or leases) and operates or maintains a factory or establishment that produces on the premises, the materials or supplies obtained by the Contractor. A firm that makes minor modifications to the materials, supplies, articles, or equipment is not a manufacturer.

MBE Participation (Anticipated) - A portion of the total contract, expressed as a percentage that is anticipated to be performed by committed MBE subcontractor(s).

Minority Business Enterprise (MBE) - A firm certified as a Disadvantaged Minority-Owned Business Enterprise through the North Carolina Unified Certification Program.

Regular Dealer - A firm that owns (or leases), and operates a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in sufficient quantities, and regularly sold to the public in the usual course of business. A regular dealer engages in, as its principal business and in its own name, the purchase and sale or lease of the products in question. A regular dealer in such bulk items as steel, concrete or concrete products, gravel, stone, asphalt and petroleum products need not keep such products in stock, if it owns and operates distribution equipment for the products. Any supplement of regular dealers' own distribution equipment shall be by a long-term operating lease and not on an ad hoc or contract-by-contract basis.

Distributor - A firm that engages in the regular sale or lease of the items specified by the contract. A distributor assumes responsibility for the items it purchases once they leave the point of origin (e.g., a manufacturer's facility), making it liable for any loss or damage not covered by the carrier's insurance.

Replacement / Substitution - A full or partial reduction in the amount of work subcontracted to a committed (or an approved substitute) MBE/WBE firm.

North Carolina Unified Certification Program (NCUCP) - A program that provides comprehensive services and information to applicants for MBE/WBE certification. The MBE/WBE program follows the same regulations as the federal Disadvantaged Business Enterprise (DBE) program in accordance with 49 CFR Part 26.

United States Department of Transportation (USDOT) - Federal agency responsible for issuing regulations (49 CFR Part 26) and official guidance for the DBE program.

WBE Participation (Anticipated) - A portion of the total contract, expressed as a percentage that is anticipated to be performed by committed WBE subcontractor(s).

Women Business Enterprise (WBE) - A firm certified as a Disadvantaged Women-Owned Business Enterprise through the North Carolina Unified Certification Program.

Forms and Websites Referenced in this Provision

Payment Tracking System - On-line system in which the Contractor enters the payments made to MBE and WBE subcontractors who have performed work on the project.
<https://apps.dot.state.nc.us/Vendor/PaymentTracking/>

DBE-IS Subcontractor Payment Information - Form for reporting the payments made to all MBE/WBE firms working on the project. This form is for paper bid projects only.

<https://connect.ncdot.gov/business/Turnpike/Documents/Form%20DBE-IS%20Subcontractor%20Payment%20Information.pdf>

RF-1 *MBE/WBE Replacement Request Form* - Form for replacing a committed MBE or WBE.
<https://connect.ncdot.gov/projects/construction/Construction%20Forms/DBE%20MBE%20WBE%20Replacement%20Form%20and%20Instructions.pdf>

SAF *Subcontract Approval Form* - Form required for approval to sublet the contract.
<https://connect.ncdot.gov/projects/construction/Construction%20Forms/SAF%20Form%20-%20Subcontract%20Approval%20Form%20Revised%2004-19.xlsm>

JC-1 *Joint Check Notification Form* - Form and procedures for joint check notification. The form acts as a written joint check agreement among the parties providing full and prompt disclosure of the expected use of joint checks.

<http://connect.ncdot.gov/projects/construction/Construction%20Forms/Joint%20Check%20Notification%20Form.pdf>

Letter of Intent - Form signed by the Contractor and the MBE/WBE subcontractor, manufacturer or regular dealer that affirms that a portion of said contract is going to be performed by the signed MBE/WBE for the estimated amount (based on quantities and unit prices) listed at the time of bid.
<http://connect.ncdot.gov/letting/LetCentral/Letter%20of%20Intent%20to%20Perform%20as%20a%20Subcontractor.pdf>

Listing of MBE and WBE Subcontractors Form - Form for entering MBE/WBE subcontractors on a project that will meet the Combined MBE/WBE goal. This form is for paper bids only.
[http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/09%20MBE-WBE%20Subcontractors%20\(State\).docx](http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/09%20MBE-WBE%20Subcontractors%20(State).docx)

Subcontractor Quote Comparison Sheet - Spreadsheet for showing all subcontractor quotes in the work areas where MBEs and WBEs quoted on the project. This sheet is submitted with good faith effort packages.

<http://connect.ncdot.gov/business/SmallBusiness/Documents/DBE%20Subcontractor%20Quote%20Comparison%20Example.xls>

DBE Regular Dealer/Distributor Affirmation Form – Form is used to make a preliminary counting determination for each DBE listed as a regular dealer or distributor to assess its eligibility for 60 or 40 percent credit, respectively of the cost of materials or supplies based on its demonstrated capacity and intent to perform as a regular dealer or distributor, as defined in section 49 CFR 26.55 under the contract at issue. A Contractor will submit the completed form with the Letter of Intent.
<https://connect.ncdot.gov/projects/construction/Construction%20Forms/DBE%20Regular%20Dealer-Distributor%20Affirmation%20Form%20-%20USDOT%202024.pdf>

Combined MBE/WBE Goal

There is NO MBE/WBE Goal for this project.

Directory of Transportation Firms (Directory)

Real-time information is available about firms doing business with the Department and firms that are certified through NCUCP in the Directory of Transportation Firms. Only firms identified in the Directory as MBE and WBE certified shall be used to meet the Combined MBE / WBE goal. The Directory can be found at the following link.

<https://www.ebs.nc.gov/VendorDirectory/default.html>

The listing of an individual firm in the directory shall not be construed as an endorsement of the firm's capability to perform certain work.

Listing of MBE/WBE Subcontractors

At the time of bid, bidders shall submit all MBE and WBE participation that they anticipate to use during the life of the contract. Only those identified to meet the Combined MBE/WBE goal will be considered committed, even though the listing shall include both committed MBE/WBE subcontractors and additional MBE/WBE subcontractors. Any additional MBE/WBE subcontractor participation above the goal will follow the banking guidelines found elsewhere in this provision. All other additional MBE/WBE subcontractor participation submitted at the time of bid will be used toward the Department's overall race-neutral goals. Only those firms with current MBE and WBE certification at the time of bid opening will be acceptable for listing in the bidder's submittal of MBE and WBE participation. The Contractor shall indicate the following required information:

(A) Electronic Bids

Bidders shall submit a listing of MBE and WBE participation in the appropriate section of the electronic submittal file.

- (1) Submit the names and addresses of MBE and WBE firms identified to participate in the contract. If the bidder uses the updated listing of MBE and WBE firms shown in the electronic submittal file, the bidder may use the dropdown menu to access the name and address of the firms.
- (2) Submit the contract line numbers of work to be performed by each MBE and WBE firm. When no figures or firms are entered, the bidder will be considered to have no MBE or WBE participation.
- (3) The bidder shall be responsible for ensuring that the MBE and WBE are certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that MBE's or WBE's participation will not count towards achieving the Combined MBE/WBE goal.

(B) Paper Bids

- (1) *If the Combined MBE/ WBE goal is more than zero,*
 - (a) Bidders, at the time the bid proposal is submitted, shall submit a listing of MBE/WBE participation, including the names and addresses on *Listing of MBE and WBE Subcontractors* contained elsewhere in the contract documents in order for the bid to be considered responsive. Bidders shall indicate the total dollar value of the MBE and WBE participation for the contract.
 - (b) If bidders have no MBE or WBE participation, they shall indicate this on the *Listing of MBE and WBE Subcontractors* by entering the word “None” or the number “0.” This form shall be completed in its entirety. **Blank forms will not be deemed to represent zero participation.** Bids submitted that do not have MBE and WBE participation indicated on the appropriate form will not be read publicly during the opening of bids. The Department will not consider these bids for award and the proposal will be rejected.
 - (c) The bidder shall be responsible for ensuring that the MBE/WBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that MBE’s or WBE’s participation will not count towards achieving the Combined MBE/WBE goal.
- (2) *If the Combined MBE/WBE Goal is zero,* entries on the *Listing of MBE and WBE Subcontractors* are not required for the zero goal, however any MBE or WBE participation that is achieved during the project shall be reported in accordance with requirements contained elsewhere in the special provision.

MBE or WBE Prime Contractor

When a certified MBE or WBE firm bids on a contract that contains a Combined MBE/WBE Goal, the firm is responsible for meeting the goal or making good faith efforts to meet the goal, just like any other bidder. In most cases, a MBE or WBE bidder on a contract will meet the Combined MBE/WBE goal by virtue of the work it performs on the contract with its own forces. However, all the work that is performed by the MBE or WBE bidder and any other similarly certified subcontractors will count toward the goal. The MBE or WBE bidder shall list itself along with any MBE or WBE subcontractors, if any, in order to receive credit toward the goals.

MBE/WBE prime contractors shall also follow Sections A or B listed under *Listing of MBE/WBE Subcontractors* just as a non-MBE/WBE bidder would.

Written Documentation – Letter of Intent

The bidder shall submit written documentation for each MBE/WBE that will be used to meet the Combined MBE/WBE goal of the contract, indicating the bidder’s commitment to use the

MBE/WBE in the contract. This documentation shall be submitted on the Department's form titled *Letter of Intent*.

The documentation shall be received in the office of the Engineer no later than 2:00 p.m. of the fifth calendar day following opening of bids, unless the fifth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

If the bidder fails to submit the Letter of Intent from each committed MBE and WBE to be used toward the Combined MBE/WBE goal, or if the form is incomplete (i.e. both signatures are not present), the MBE/WBE participation will not count toward meeting the Combined MBE/WBE goal. If the lack of this participation drops the commitment below the Combined MBE/WBE goal, the Contractor shall submit evidence of good faith efforts for the goal not met, completed in its entirety, to the Engineer no later than 2:00 p.m. of the eighth calendar day following opening of bids, unless the eighth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

Banking MBE/WBE Credit

If the committed MBE/WBE participation submitted exceeds the algebraic sum of the Combined MBE/WBE goal by \$1,000 or more, the excess will be placed on deposit by the Department for future use by the bidder. Separate accounts will be maintained for MBE and WBE participation and these may accumulate for a period not to exceed 24 months.

When the apparent lowest responsive bidder fails to submit sufficient participation by MBE and WBE firms to meet the advertised goal, as part of the good faith effort, the Department will consider allowing the bidder to withdraw funds to meet the Combined MBE/WBE goal as long as there are adequate funds available from the bidder's MBE and WBE bank accounts.

Submission of Good Faith Effort

If the bidder fails to meet or exceed the Combined MBE/WBE goal, the apparent lowest responsive bidder shall submit to the Department documentation of adequate good faith efforts made to reach that specific goal.

One complete set and 2 copies of this information shall be received in the office of the Engineer no later than 2:00 p.m. of the fifth calendar day following opening of bids, unless the fifth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

Note: Where the information submitted includes repetitious solicitation letters, it will be acceptable to submit a representative letter along with a distribution list of the firms that were solicited. Documentation of MBE/WBE quotations shall be a part of the good faith effort submittal. This documentation may include written subcontractor quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

Consideration of Good Faith Effort for Projects with a Combined MBE/WBE Goal More Than Zero

Adequate good faith efforts mean that the bidder took all necessary and reasonable steps to achieve the goal which, by their scope, intensity, and appropriateness, could reasonably be expected to obtain sufficient MBE/WBE participation. Adequate good faith efforts also mean that the bidder actively and aggressively sought MBE/WBE participation. Mere *pro forma* efforts are not considered good faith efforts.

The Department will consider the quality, quantity, and intensity of the different kinds of efforts a bidder has made. Listed below are examples of the types of actions a bidder will take in making a good faith effort to meet the goals and are not intended to be exclusive or exhaustive, nor is it intended to be a mandatory checklist.

- (A) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising, written notices, use of verifiable electronic means through the use of the NCDOT Directory of Transportation Firms) the interest of all certified MBEs/WBEs that are also prequalified subcontractors. The bidder must solicit this interest within at least 10 days prior to bid opening to allow the MBEs/WBEs to respond to the solicitation. Solicitation shall provide the opportunity to MBEs/WBEs within the Division and surrounding Divisions where the project is located. The bidder must determine with certainty if the MBEs/WBEs are interested by taking appropriate steps to follow up initial solicitations.
- (B) Selecting portions of the work to be performed by MBEs/WBEs in order to increase the likelihood that the Combined MBE/WBE goal will be achieved.
 - (1) Where appropriate, break out contract work items into economically feasible units to facilitate MBE/WBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 - (2) Negotiate with subcontractors to assume part of the responsibility to meet the advertised goal when the work to be sublet includes potential for MBE/WBE participation (2nd and 3rd tier subcontractors).
- (C) Providing interested certified MBEs/WBEs that are also prequalified subcontractors with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (D) (1) Negotiating in good faith with interested MBEs/WBEs. It is the bidder's responsibility to make a portion of the work available to MBE/WBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available MBE/WBE subcontractors and suppliers, so as to facilitate MBE/WBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of MBEs/WBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for MBEs/WBEs to perform the work.

- (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including MBE/WBE subcontractors, and would take a firm's price and capabilities as well as the advertised goal into consideration. However, the fact that there may be some additional costs involved in finding and using MBEs/WBEs is not in itself sufficient reason for a bidder's failure to meet the advertised goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidding contractors are not, however, required to accept higher quotes from MBEs/WBEs if the price difference is excessive or unreasonable.
- (E) Not rejecting MBEs/WBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associates and political or social affiliations (for example, union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
- (F) Making efforts to assist interested MBEs/WBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or bidder.
- (G) Making efforts to assist interested MBEs/WBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
- (H) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; Federal, State, and local minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of MBEs/WBEs. Contact within 7 days from the bid opening the Business Opportunity and Work Force Development Unit at BOWD@ncdot.gov to give notification of the bidder's inability to get MBE or WBE quotes.
- (I) Any other evidence that the bidder submits which shows that the bidder has made reasonable good faith efforts to meet the advertised goal.

In addition, the Department may take into account the following:

- (1) Whether the bidder's documentation reflects a clear and realistic plan for achieving the Combined MBE/WBE goal.
- (2) The bidders' past performance in meeting the contract goal.
- (3) The performance of other bidders in meeting the advertised goal. For example, when the apparent successful bidder fails to meet the goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the advertised goal, but meets or exceeds the average MBE and WBE participation obtained by other bidders, the Department may view this,

in conjunction with other factors, as evidence of the apparent successful bidder having made a good faith effort.

If the Department does not award the contract to the apparent lowest responsive bidder, the Department reserves the right to award the contract to the next lowest responsive bidder that can satisfy to the Department that the Combined MBE/WBE goal can be met or that an adequate good faith effort has been made to meet the advertised goal.

Non-Good Faith Appeal

The Engineer will notify the Contractor verbally and in writing of non-good faith. A Contractor may appeal a determination of non-good faith made by the Goal Compliance Committee. If a Contractor wishes to appeal the determination made by the Committee, they shall provide written notification to the Engineer. The appeal shall be made within 2 business days of notification of the determination of non-good faith.

Counting MBE/WBE Participation Toward Meeting the Combined MBE/WBE Goal

(A) Participation

The total dollar value of the participation by a committed MBE/WBE will be counted toward the contract goal requirements. The total dollar value of participation by a committed MBE/WBE will be based upon the value of work performed by the MBE/WBE and the actual payments to MBE/WBE firms by the Contractor.

(B) Joint Checks

Prior notification of joint check use shall be required when counting MBE/WBE participation for services or purchases that involves the use of a joint check. Notification shall be through submission of Form JC-1 (*Joint Check Notification Form*) and the use of joint checks shall be in accordance with the Department's Joint Check Procedures.

(C) Subcontracts (Non-Trucking)

A MBE/WBE may enter into subcontracts. Work that a MBE subcontracts to another MBE firm may be counted toward the anticipated MBE participation. The same holds for work that a WBE subcontracts to another WBE firm. Work that a MBE/WBE subcontracts to a non-MBE/WBE firm does not count toward the contract goal requirement. It should be noted that every effort shall be made by MBE and WBE contractors to subcontract to the same certification (i.e., MBEs to MBEs and WBEs to WBEs), in order to fulfill the MBE or WBE participation breakdown. This, however, may not always be possible due to the limitation of firms in the area. If the MBE or WBE firm shows a good faith effort has been made to reach out to similarly certified firms and there is no interest or availability, and they can get assistance from other certified firms, the Engineer will not hold the prime responsible for meeting the individual MBE or WBE breakdown. If a MBE or WBE contractor or subcontractor subcontracts a significantly greater portion of the work of the

contract than would be expected on the basis of standard industry practices, it shall be presumed that the MBE or WBE is not performing a commercially useful function.

(D) Joint Venture

When a MBE or WBE performs as a participant in a joint venture, the Contractor may count toward its contract goal requirement a portion of the total value of participation with the MBE or WBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the MBE or WBE performs with its forces.

(E) Manufacturer, Regular Dealer, Distributor

A Contractor may count toward its MBE/WBE requirement 40 percent of its expenditures for materials or supplies (including transportation costs) from a MBE/WBE distributor, 60 percent of its expenditures for materials or supplies (including transportation costs) from a MBE/WBE regular dealer and 100 percent of such expenditures obtained from a MBE/WBE manufacturer.

A Contractor may count toward its MBE/WBE requirement the following expenditures to MBE/WBE firms that are not manufacturers, regular dealers or distributors:

- (1) The fees or commissions charged by a MBE/WBE firm for providing a *bona fide* service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a DOT-assisted contract, provided the fees or commissions are determined to be reasonable and not excessive as compared with fees and commissions customarily allowed for similar services.
- (2) With respect to materials or supplies purchased from a MBE/WBE, which is neither a manufacturer, regular dealer, nor a distributor count the entire amount of fees or commissions charged that the Department deems to be reasonable, including transportation charges for the delivery of materials or supplies. Do not count any portion of the cost of the materials and supplies themselves.

A Contractor will submit a completed *DBE Regular Dealer/Distributor Affirmation Form* with the Letter of Intent to the Engineer. The Engineer will forward to the State Contractor Utilization Engineer or DBE@ncdot.gov. The State Contractor Utilization Engineer will make a preliminary assessment as to whether a MBE/WBE supplier has the demonstrated capacity to perform a commercially useful function (CUF) on a contract-by-contract basis *prior* to its participation.

Commercially Useful Function

(A) MBE/WBE Utilization

The Contractor may count toward its contract goal requirement only expenditures to MBEs and WBEs that perform a commercially useful function in the work of a contract. A MBE/WBE performs a commercially useful function when it is responsible for

execution of the work of the contract and is carrying out its responsibilities by performing, managing, and supervising the work involved. To perform a commercially useful function, the MBE/WBE shall also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material and installing (where applicable) and paying for the material itself. To determine whether a MBE/WBE is performing a commercially useful function, the Department will evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is performing and the MBE/WBE credit claimed for its performance of the work, and any other relevant factors. If it is determined that a MBE or WBE is not performing a Commercially Useful Function, the contractor may present evidence to rebut this presumption to the Department.

(B) MBE/WBE Utilization in Trucking

The following factors will be used to determine if a MBE or WBE trucking firm is performing a commercially useful function:

- (1) The MBE/WBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there shall not be a contrived arrangement for the purpose of meeting the Combined MBE/WBE goal.
- (2) The MBE/WBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
- (3) The MBE/WBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.
- (4) The MBE may subcontract the work to another MBE firm, including an owner-operator who is certified as a MBE. The same holds true that a WBE may subcontract the work to another WBE firm, including an owner-operator who is certified as a WBE. When this occurs, the MBE or WBE who subcontracts work receives credit for the total value of the transportation services the subcontracted MBE or WBE provides on the contract. It should be noted that every effort shall be made by MBE and WBE contractors to subcontract to the same certification (i.e., MBEs to MBEs and WBEs to WBEs), in order to fulfill the participation breakdown. This, however, may not always be possible due to the limitation of firms in the area. If the MBE or WBE firm shows a good faith effort has been made to reach out to similarly certified transportation service providers and there is no interest or availability, and they can get assistance from other certified providers, the Engineer will not hold the prime responsible for meeting the individual MBE or WBE participation breakdown.
- (5) The MBE/WBE may also subcontract the work to a non-MBE/WBE firm, including from an owner-operator. The MBE/WBE who subcontracts the work to a non-MBE/WBE is entitled to credit for the total value of transportation services provided by the non-MBE/WBE subcontractor not to exceed the value

of transportation services provided by MBE/WBE-owned trucks on the contract. Additional participation by non-MBE/WBE subcontractors receives credit only for the fee or commission it receives as a result of the subcontract arrangement. The value of services performed under subcontract agreements between the MBE/WBE and the Contractor will not count towards the MBE/WBE contract requirement.

- (6) A MBE/WBE may lease truck(s) from an established equipment leasing business open to the general public. The lease must indicate that the MBE/WBE has exclusive use of and control over the truck. This requirement does not preclude the leased truck from working for others during the term of the lease with the consent of the MBE/WBE, so long as the lease gives the MBE/WBE absolute priority for use of the leased truck. This type of lease may count toward the MBE/WBE's credit as long as the driver is under the MBE/WBE's payroll.
- (7) Subcontracted/leased trucks shall display clearly on the dashboard the name of the MBE/WBE that they are subcontracted/leased to and their own company name if it is not identified on the truck itself. Magnetic door signs are not permitted.

MBE/WBE Replacement

When a Contractor has relied on a commitment to a MBE or WBE subcontractor (or an approved substitute MBE or WBE subcontractor) to meet all or part of a contract goal requirement, the contractor shall not terminate the MBE/WBE subcontractor or any portion of its work for convenience. This includes, but is not limited to, instances in which the Contractor seeks to perform the work of the terminated subcontractor with another MBE/WBE subcontractor, a non-MBE/WBE subcontractor, or with the Contractor's own forces or those of an affiliate.

The Contractor must give notice in writing both by certified mail and email to the MBE/WBE subcontractor, with a copy to the Engineer of its intent to request to terminate a MBE/WBE subcontractor or any portion of its work, and the reason for the request. The Contractor must give the MBE/WBE subcontractor five (5) business days to respond to the Contractor's Notice of Intent to Request Termination and/or Substitution. If the MBE/WBE subcontractor objects to the intended termination/substitution, the MBE/WBE, within five (5) business days must advise the Contractor and the Department of the reasons why the action should not be approved. The five-day notice period shall begin on the next business day after written notice is provided to the MBE/WBE subcontractor.

A committed MBE/WBE subcontractor may only be terminated or any portion of its work after receiving the Department's written approval based upon a finding of good cause for the proposed termination and/or substitution. Good cause does not exist if the Contractor seeks to terminate a MBE/WBE or any portion of its work that it relied upon to obtain the contract so that the Contractor can self-perform the work for which the MBE/WBE was engaged, or so that the Contractor can substitute another MBE/WBE or non-MBE/WBE contractor after contract award. For purposes of this section, good cause shall include the following circumstances:

- (a) The listed MBE/WBE subcontractor fails or refuses to execute a written contract;
- (b) The listed MBE/WBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause

does not exist if the failure or refusal of the MBE/WBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;

- (c) The listed MBE/WBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements;
- (d) The listed MBE/WBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
- (e) The listed MBE/WBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to 2 CFR parts 180, 215 and 1200 or applicable State law;
- (f) The listed MBE/WBE subcontractor is not a responsible contractor;
- (g) The listed MBE/WBE voluntarily withdraws from the project and provides written notice of withdrawal;
- (h) The listed MBE/WBE is ineligible to receive MBE/WBE credit for the type of work required;
- (i) A MBE/WBE owner dies or becomes disabled with the result that the listed MBE/WBE contractor is unable to complete its work on the contract; and
- (j) Other documented good cause that compels the termination of the MBE/WBE subcontractor.

The Contractor shall comply with the following for replacement of a committed MBE/WBE:

(A) Performance Related Replacement

When a committed MBE/WBE is terminated for good cause as stated above, an additional MBE/WBE that was submitted at the time of bid may be used to fulfill the MBE/WBE commitment to meet the Combined MBE/WBE Goal. A good faith effort will only be required for removing a committed MBE/WBE if there were no additional MBE/WBEs submitted at the time of bid to cover the same amount of work as the MBE/WBE that was terminated.

If a replacement MBE/WBE is not found that can perform at least the same amount of work as the terminated MBE/WBE, the Contractor shall submit a good faith effort documenting the steps taken. Such documentation shall include, but not be limited to, the following:

- (1) Copies of written notification to MBE/WBEs that their interest is solicited in contracting the work defaulted by the previous MBE/WBE or in subcontracting other items of work in the contract.
- (2) Efforts to negotiate with MBE/WBEs for specific subbids including, at a minimum:
 - (a) The names, addresses, and telephone numbers of MBE/WBEs who were contacted.
 - (b) A description of the information provided to MBE/WBEs regarding the plans and specifications for portions of the work to be performed.
- (3) A list of reasons why MBE/WBE quotes were not accepted.

- (4) Efforts made to assist the MBE/WBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.
- (B) Decertification Replacement
- (1) When a committed MBE/WBE is decertified by the Department after the SAF (*Subcontract Approval Form*) has been received by the Department, the Department will not require the Contractor to solicit replacement MBE/WBE participation equal to the remaining work to be performed by the decertified firm. The participation equal to the remaining work performed by the decertified firm will count toward the contract goal requirement but not the overall goal.
 - (i) If the MBE/WBE's ineligibility is caused solely by its having exceeded the size standard during the performance of the contract. The Department may continue to count participation equal to the remaining work performed by the decertified firm which will count toward the contract goal requirement and overall goal.
 - (ii) If the MBE/WBE's ineligibility is caused solely by its acquisition by or merger with a non- MBE/WBE during the performance of the contract. The Department may not continue to count the portion of the decertified firm's performance on the contract remaining toward either the contract goal or the overall goal, even if the Contractor has executed a subcontract with the firm or the Department has executed a prime contract with the MBE/WBE that was later decertified.
 - (2) When a committed MBE/WBE is decertified prior to the Department receiving the SAF (*Subcontract Approval Form*) for the named MBE/WBE firm, the Contractor shall take all necessary and reasonable steps to replace the MBE/WBE subcontractor with another MBE/WBE subcontractor to perform at least the same amount of work to meet the Combined MBE/WBE goal requirement. If a MBE/WBE firm is not found to do the same amount of work, a good faith effort must be submitted to NCDOT (see A herein for required documentation).

All requests for replacement of a committed MBE/WBE firm shall be submitted to the Engineer for approval on Form RF-1 (*DBE Replacement Request*). If the Contractor fails to follow this procedure, the Contractor may be disqualified from further bidding for a period of up to 6 months.

Changes in the Work

When the Engineer makes changes that result in the reduction or elimination of work to be performed by a committed MBE/WBE, the Contractor will not be required to seek additional participation. When the Engineer makes changes that result in additional work to be performed by a MBE/WBE based upon the Contractor's commitment, the MBE/WBE shall participate in additional work to the same extent as the MBE/WBE participated in the original contract work.

When the Engineer makes changes that result in extra work, which has more than a minimal impact on the contract amount, the Contractor shall seek additional participation by MBEs/WBEs unless otherwise approved by the Engineer.

When the Engineer makes changes that result in an alteration of plans or details of construction, and a portion or all of the work had been expected to be performed by a committed MBE/WBE, the Contractor shall seek participation by MBEs/WBEs unless otherwise approved by the Engineer.

When the Contractor requests changes in the work that result in the reduction or elimination of work that the Contractor committed to be performed by a MBE/WBE, the Contractor shall seek additional participation by MBEs/WBEs equal to the reduced MBE/WBE participation caused by the changes.

Reports and Documentation

A SAF (*Subcontract Approval Form*) shall be submitted for all work which is to be performed by a MBE/WBE subcontractor. The Department reserves the right to require copies of actual subcontract agreements involving MBE/WBE subcontractors.

When using transportation services to meet the contract commitment, the Contractor shall submit a proposed trucking plan in addition to the SAF. The plan shall be submitted prior to beginning construction on the project. The plan shall include the names of all trucking firms proposed for use, their certification type(s), the number of trucks owned by the firm, as well as the individual truck identification numbers, and the line item(s) being performed.

Within 30 calendar days of entering into an agreement with a MBE/WBE for materials, supplies or services, not otherwise documented by the SAF as specified above, the Contractor shall furnish the Engineer a copy of the agreement. The documentation shall also indicate the percentage (60% or 100%) of expenditures claimed for MBE/WBE credit.

Reporting Minority and Women Business Enterprise Participation

The Contractor shall provide the Engineer with an accounting of payments made to all MBE and WBE firms, including material suppliers and contractors at all levels (prime, subcontractor, or second tier subcontractor). This accounting shall be furnished to the Engineer for any given month by the end of the following month. Failure to submit this information accordingly may result in the following action:

- (A) Withholding of money due in the next partial pay estimate; or
- (B) Removal of an approved contractor from the prequalified bidders' list or the removal of other entities from the approved subcontractors list.

While each contractor (prime, subcontractor, 2nd tier subcontractor) is responsible for accurate accounting of payments to MBEs/WBEs, it shall be the prime contractor's responsibility to report all monthly and final payment information in the correct reporting manner.

Failure on the part of the Contractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from further bidding until the required information is submitted.

Failure on the part of any subcontractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from being approved for further work on future projects until the required information is submitted.

Contractors reporting transportation services provided by non-MBE/WBE lessees shall evaluate the value of services provided during the month of the reporting period only.

At any time, the Engineer can request written verification of subcontractor payments. The Contractor shall report the accounting of payments through the Department's DBE Payment Tracking System.

Failure to Meet Contract Requirements

Failure to meet contract requirements in accordance with Subarticle 102-15(J) of the *Standard Specifications* may be cause to disqualify the Contractor.

MULTI-YEAR MAINTENANCE CONTRACTS (ID/IQ):

(4-20-21) (Rev. 4-19-22)

SP1 G75

This contract is a multi-year maintenance contract let pursuant to the provisions of N.C. General Statute §136-28.1(b). No minimum quantity of services is guaranteed to be awarded bidders under this contract. In accordance with N.C. General Statute §136-28.1(b), an award in a maintenance contract may be for an amount less but shall not exceed \$5,000,000 per year. No payments in excess of this amount will be disbursed, in accordance with the Statute.

RESTRICTIONS ON ITS EQUIPMENT AND SERVICES:

(11-17-20)

SP01 G090

All telecommunications, video or other ITS equipment or services installed or utilized on this project must be in conformance with UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS 2 CFR, § 200.216 **Prohibition on certain telecommunications and video surveillance services or equipment.**

USE OF UNMANNED AIRCRAFT SYSTEM (UAS):

(8-20-19)(Rev. 3-17-26)

SP1 G092

The Contractor shall adhere to all Federal, State and Local regulations and guidelines for the use of Unmanned Aircraft Systems (UAS). This includes but is not limited to US 14 CFR Part 107, NC GS 15A-300, American Security Drone Act of 2023 (ASDA), Office of Management and Budget (OMB) Memorandum M-26-02, all FAA rules, regulations and policies and all NCDOT UAS Policies. The required operator certifications include possessing a current Federal Aviation Administration (FAA) Remote Pilot Certificate, as well as operating a UAS registered with the FAA.

All UAS operations shall be approved by the Engineer prior to beginning the operations.

All contractors or subcontractors operating UAS shall have UAS specific general liability insurance to cover all operations under this contract.

The use of UAS is at the Contractor's discretion. No measurement or payment will be made for the use of UAS. In the event that the Department directs the Contractor to utilize UAS, payment will be in accordance with Article 104-7 Extra Work.

EQUIPMENT IDLING GUIDELINES:

(1-19-21)

107

SP1 G096

Exercise reduced fuel consumption and reduced equipment emissions during the construction of all work associated with this contract. Employees engaged in the construction of this project should turn off vehicles when stopped for more than thirty (30) minutes and off-highway equipment should idle no longer than fifteen (15) consecutive minutes.

These guidelines for turning off vehicles and equipment when idling do not apply to:

1. Idling when queuing.
2. Idling to verify the vehicle is in safe operating condition.
3. Idling for testing, servicing, repairing or diagnostic purposes.
4. Idling necessary to accomplish work for which the vehicle was designed (such as operating a crane, mixing concrete, etc.).
5. Idling required to bring the machine system to operating temperature.
6. Emergency vehicles, utility company, construction, and maintenance vehicles where the engines must run to perform needed work.
7. Idling to ensure safe operation of the vehicle.
8. Idling when the propulsion engine is providing auxiliary power for other than heating or air conditioning. (such as hydraulic systems for pavers)
9. When specific traffic, safety, or emergency situations arise.
10. If the ambient temperature is less than 32 degrees Fahrenheit. Limited idling to provide for the safety of vehicle occupants (e.g. to run the heater).
11. If the ambient temperature is greater than 90 degrees Fahrenheit. Limited idling to provide for the safety of vehicle occupants of off-highway equipment (e.g. to run the air conditioning) no more than 30 minutes.
12. Diesel powered vehicles may idle for up to 30 minutes to minimize restart problems.

Any vehicle, truck, or equipment in which the primary source of fuel is natural gas or electricity is exempt from the idling limitations set forth in this special provision.

OUTSOURCING OUTSIDE THE USA:

(9-21-04) (Rev. 5-16-06)

SP1 G150

All work on consultant contracts, services contracts, and construction contracts shall be performed in the United States of America. No work shall be outsourced outside of the United States of America.

Outsourcing for the purpose of this provision is defined as the practice of subcontracting labor, work, services, staffing, or personnel to entities located outside of the United States.

The North Carolina Secretary of Transportation shall approve exceptions to this provision in writing.

NOTES TO CONTRACTOR:

(8-19-25)

SP1 G999B

Plans for the existing lighting installation will be available for reference upon the bidder request. These plans may provide for technical, schematic, or materials information.

Any change resulting in an increase in lighting lumens from the original design requires consultation and written approval of Division 14 Environmental Office staff.

PROJECT SPECIAL PROVISIONS**ROADWAY****ELECTRICAL JUNCTION BOXES:**

(6-18-24)

1091

SP10 R91

Revise the *Standard Specifications* as follows:

Page 10-209, Subarticle 1091-5(A) General, add the following after line 27:

Boxes and covers shall meet all requirements and specifications of ANSI/SCTE 77. Structural load tests shall meet the Tier 15 application type.

Page 10-209, Subarticle 1091-5(B) Polymer Concrete (PC) Junction Boxes, lines 28, delete and replace the subarticle title with the following:

(B) Polymer Concrete (PC), Composite and Thermoplastic Junction Boxes

Page 10-209, Subarticle 1091-5(B) Polymer Concrete (PC) Junction Boxes, add the following after line 28:

For PC junction boxes, use polymer concrete material made of an aggregate consisting of sand and gravel bound together with a polymer and reinforced with glass strands to fabricate box and cover components.

Page 10-209, Subarticle 1091-5(B) Polymer Concrete (PC) Junction Boxes, line 29 replace “polymer concrete (PC) boxes” with “junction boxes”.

Page 10-209, Subarticle 1091-5(B) Polymer Concrete (PC) Junction Boxes, lines 31-37, delete the second and third paragraph.

Page 10-209, Subarticle 1091-5(B) Polymer Concrete (PC) Junction Boxes, lines 40-41, delete the fourth sentence of the fourth paragraph and replace with the following:

Bodies of junction boxes shall be a single piece.

Polymer concrete, composite and thermoplastic junction boxes are not required to be listed electrical devices.

WORK ZONE INSTALLER:

(7-20-21)(Rev. 4-21-26)

1101

SP11 R04

Revise the *Standard Specifications* as follows:

Page 11-4, Article 1101-14 WORK ZONE INSTALLER, lines 25-26, delete the first sentence of the first paragraph and replace with the following:

When temporary traffic control consists of more than flagging operations, the Contractor shall provide the service of at least one qualified work zone installer during the setup, installation, and removal of temporary traffic control within the highway right of way.

STANDARD SPECIAL PROVISION**AVAILABILITY OF FUNDS – TERMINATION OF CONTRACTS**

(5-20-08)(Rev. 1-16-24)

Z-2

General Statute 143C-6-11. (h) Highway Appropriation is hereby incorporated verbatim in this contract as follows:

(h) Amounts Encumbered. – Transportation project appropriations may be encumbered in the amount of allotments made to the Department of Transportation by the Director for the estimated payments for transportation project contract work to be performed in the appropriation fiscal year. The allotments shall be multiyear allotments and shall be based on estimated revenues and shall be subject to the maximum contract authority contained in *General Statute 143C-6-11(c)*. Payment for transportation project work performed pursuant to contract in any fiscal year other than the current fiscal year is subject to appropriations by the General Assembly. Transportation project contracts shall contain a schedule of estimated completion progress, and any acceleration of this progress shall be subject to the approval of the Department of Transportation provided funds are available. The State reserves the right to terminate or suspend any transportation project contract, and any transportation project contract shall be so terminated or suspended if funds will not be available for payment of the work to be performed during that fiscal year pursuant to the contract. In the event of termination of any contract, the contractor shall be given a written notice of termination at least 60 days before completion of scheduled work for which funds are available. In the event of termination, the contractor shall be paid for the work already performed in accordance with the contract specifications.

Payment will be made on any contract terminated pursuant to the special provision in accordance with Subarticle 108-13(D) of the *Standard Specifications*.

STANDARD SPECIAL PROVISION
ERRATA

(1-16-24)(Rev. 6-16-26)

Z-4

Revise the *2024 Standard Specifications* as follows:

Division 1

Page 1-1, Article 101-2 ABBREVIATIONS, line 25, replace "American Wood-Preservers' Association" with "American Wood Protection Association".

Page 1-18, Article 102-10 BID BOND OR BID DEPOSIT, line 26, replace " Subarticle 102-8(A)(8)(b)" with "Subarticle 102-8(A)(12)(b)".

Page 1-20, Subarticle 102-14(A) State Funded Projects, line 3, replace "\$30,000" with "\$40,000".

Page 1-20, Subarticle 102-14(B) Federal Aid Projects, line 7, replace "\$30,000" with "\$40,000".

Page 1-36, Subarticle 104-12(B) Evaluation of Proposals, line 21, replace "Design-Build Unit" with "Alternative Delivery Unit".

Page 1-36, Subarticle 104-12(D) Preliminary Review, line 37, replace "Design-Build Unit" with "Alternative Delivery Unit".

Page 1-37, Subarticle 104-12(E) Final Proposal, line 3, replace "Design-Build Unit" with "Alternative Delivery Unit".

Page 1-37, Subarticle 104-12(F) Design-Build VEPs, line 36, replace "Design-Build Unit" with "Alternative Delivery Unit".

Page 1-38, Subarticle 104-12(G) Modifications, line 1, replace "Design-Build Unit" with "Alternative Delivery Unit".

Division 3

Page 3-5, Article 305-2 MATERIALS, after line 16, replace " 1032-3(A)(7)" with "1032-3" and add the item "Galvanized Corrugated Steel Pipe" with Section "1032-3".

Page 3-6, Article 310-2 MATERIALS, after line 9, add the item "Galvanized Corrugated Steel Pipe" with Section "1032-3".

Division 6

Page 6-15, Article 610-1 DESCRIPTION, line 20, replace "The work includes" with "The work includes, but is not limited to,".

Page 6-15, Article 610-1 DESCRIPTION, line 22, replace “applying the tack coat as specified.” with “applying the tack coat in accordance with Section 605.”.

Page 6-30, Article 610-14 DENSITY ACCEPTANCE, line 39, replace “QC process.” with “QC process in accordance with Section 609.”.

Page 6-31, Article 610-16 MEASUREMENT AND PAYMENT, line 13, replace "*Hot Mix Asphalt Pavement*" with "*Asphalt Concrete _____ Course, Type _____*".

Page 6-50, Subarticle 661-4(A) Equipment, lines 4-7, replace the first two sentences of the seventh paragraph with the following:

When an erected fixed stringline is utilized for longitudinal profile and cross slope control furnish and erect the necessary guide line for the equipment.

Division 7

Page 7-18, Subarticle 710-10(A) General, lines 7-8, delete “for *Surface Testing Concrete Pavement*” from the last paragraph.

Division 8

Page 8-27, Article 846-1 DESCRIPTION, line 8, delete “4 inch” from the first paragraph.

Division 9

Page 9-17, Article 904-4 MEASUREMENT AND PAYMENT, prior to line 1, replace " Sign Erection, Relocate Type (Ground Mounted)" with “Sign Erection, Relocate Type ____ (Ground Mounted)”.

Division 10

Page 10-51, Article 1024-4 WATER, prior to line 1, delete the “unpopulated blank row” in Table 1024-2 between “Time of set, deviation from control” and “Chloride Ion Content, Max.”.

Page 10-170, Subarticle 1081-1(C) Requirements, line 4, replace "maximum" with “minimum”.

Division 11

Page 11-15, Article 1160-4 MEASUREMENT AND PAYMENT, line 24, replace “Where barrier units are moved more than one” with “Where barrier units are moved more than once”.

Division 15

Page 15-10, Article 1515-4 MEASUREMENT AND PAYMENT, lines 11, replace " All piping” with “All labor, the manhole, other materials, excavation, backfilling, piping”.

Division 16

Page 16-14, Article 1633-5 MEASUREMENT AND PAYMENT, line 20-24 and prior to line 25, delete and replace with the following " *Flocculant* will be measured and paid in accordance with Article 1642-5 applied to the temporary rock silt checks."

Page 16-3, Article 1609-2 MATERIALS, after line 26, replace "Type 4" with "Type 4a".

Page 16-25, Article 1644-2 MATERIALS, after line 22, replace "Type 4" with "Type 4a".

Page 16-27, Article 1644-5 MEASUREMENT AND PAYMENT, line 31, replace "Article 1630-4" with "Article 1630-3".

Division 17

Page 17-15, Article 1715-4 MEASUREMENT AND PAYMENT, line 23, delete and replace "1.25" with "1-1/4".

Page 17-15, Article 1715-4 MEASUREMENT AND PAYMENT, line 24, delete and replace "(1.25" with " , 1-1/4".

STANDARD SPECIAL PROVISION**PLANT AND PEST QUARANTINES**

(Imported Fire Ant, Guava Root Knot Nematode, Spongy Moth (formerly known as gypsy moth), Witchweed, Cogon Grass, And Any Other Regulated Noxious Weed or Plant Pest)

(3-18-03)(Rev. 3-18-25)

Z-04a

Within Quarantined Area

This project may be within a county regulated for plant and/or pests. If the project or any part of the Contractor's operations is located within a quarantined area, thoroughly clean all equipment prior to moving out of the quarantined area. Comply with federal/state regulations by obtaining a certificate or limited permit for any regulated article moving from the quarantined area.

Originating in a Quarantined County

Obtain a certificate or limited permit issued by the N.C. Department of Agriculture/United States Department of Agriculture. Have the certificate or limited permit accompany the article when it arrives at the project site.

Contact

Contact the N.C. Department of Agriculture/United States Department of Agriculture at 1-800-206-9333, 919-707-3730, or <https://www.ncagr.gov/divisions/plant-industry/plant-protection/plant-industry-plant-pest-quarantines> to determine those specific project sites located in the quarantined area or for any regulated article used on this project originating in a quarantined county.

Regulated Articles Include

1. Soil, sand, gravel, compost, peat, humus, muck, and decomposed manure, separately or with other articles. This includes movement of articles listed above that may be associated with cut/waste, ditch pulling, and shoulder cutting.
2. Plants with roots including grass sod.
3. Plant crowns and roots.
4. Bulbs, corms, rhizomes, and tubers of ornamental plants.
5. Hay, straw, fodder, and plant litter of any kind.
6. Clearing and grubbing debris.
7. Used agricultural cultivating and harvesting equipment.
8. Used earth-moving equipment.
9. Any other products, articles, or means of conveyance of any character, if determined by an inspector present a hazard of spreading imported fire ant, guava root knot nematode, spongy moth (formerly known as gypsy moth), witchweed, cogon grass, or other regulated noxious weed or plant pest.

STANDARD SPECIAL PROVISION**MINIMUM WAGES**

(7-21-09)

Z-5

FEDERAL: The Fair Labor Standards Act provides that with certain exceptions every employer shall pay wages at the rate of not less than SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

STATE: The North Carolina Minimum Wage Act provides that every employer shall pay to each of his employees, wages at a rate of not less than SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all skilled labor employed on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all intermediate labor employed on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all unskilled labor on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

This determination of the intent of the application of this act to the contract on this project is the responsibility of the Contractor.

The Contractor shall have no claim against the Department of Transportation for any changes in the minimum wage laws, Federal or State. It is the responsibility of the Contractor to keep fully informed of all Federal and State Laws affecting his contract.

STANDARD SPECIAL PROVISION**TITLE VI AND NONDISCRIMINATION:**

(6-28-77)(Rev 1/16/2024)

Z-6

The North Carolina Department of Transportation is committed to carrying out the U.S. Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts.

The provisions of this section related to United States Department of Transportation (US DOT) Order 1050.2A, Title 49 Code of Federal Regulations (CFR) part 21, 23 United States Code (U.S.C.) 140 and 23 CFR part 200 (or 49 CFR 303, 49 U.S.C. 5332 or 49 U.S.C. 47123) are applicable to all North Carolina Department of Transportation (NCDOT) contracts and to all related subcontracts, material supply, engineering, architectural and other service contracts, regardless of dollar amount. Any Federal provision that is specifically required not specifically set forth is hereby incorporated by reference.

(1) Title VI Assurances (USDOT Order 1050.2A, Appendix A)

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

(a) Compliance with Regulations

The contractor (hereinafter includes consultants) shall comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

(b) Nondiscrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

(c) Solicitations for Subcontractors, Including Procurements of Materials and Equipment

In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.

(d) Information and Reports

The contractor shall provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined

by the Recipient or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor shall so certify to the Recipient or the FHWA, as appropriate, and shall set forth what efforts it has made to obtain the information.

(e) Sanctions for Noncompliance:

In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it and/or the FHWA may determine to be appropriate, including, but not limited to:

- (i) Withholding payments to the contractor under the contract until the contractor complies; and/or
- (ii) Cancelling, terminating, or suspending a contract, in whole or in part.

(f) Incorporation of Provisions

The contractor shall include the provisions of paragraphs (a) through (f) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor shall take action with respect to any subcontract or procurement as the Recipient or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

(2) Title VI Nondiscrimination Program (23 CFR 200.5(p))

The North Carolina Department of Transportation (NCDOT) has assured the USDOT that, as a condition to receiving federal financial assistance, NCDOT will comply with Title VI of the Civil Rights Act of 1964 and all requirements imposed by Title 49 CFR part 21 and related nondiscrimination authorities to ensure that no person shall, on the ground of race, color, national origin, limited English proficiency, sex, age, or disability (including religion/creed or income-level, where applicable), be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any programs, activities, or services conducted or funded by NCDOT. Contractors and other organizations under contract or agreement with NCDOT must also comply with Title VI and related authorities, therefore:

- (a) During the performance of this contract or agreement, contractors (e.g., subcontractors, consultants, vendors, prime contractors) are responsible for complying with NCDOT's Title VI Program. Contractors are not required to prepare or submit Title VI Programs. To comply with this section, the prime contractor shall:
 - 1. Post NCDOT's Notice of Nondiscrimination and the Contractor's own Equal Employment Opportunity (EEO) Policy in conspicuous locations accessible to all employees, applicants and subcontractors on the jobsite.

2. Physically incorporate the required Title VI clauses into all subcontracts on federally-assisted and state-funded NCDOT projects, and ensure inclusion by subcontractors into all lower-tier subcontracts.
 3. Required Solicitation Language. The Contractor shall include the following notification in all solicitations for bids and requests for work or material, regardless of funding source:

“The North Carolina Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. In accordance with other related nondiscrimination authorities, bidders and contractors will also not be discriminated against on the grounds of sex, age, disability, low-income level, creed/religion, or limited English proficiency in consideration for an award.”
 4. Physically incorporate the FHWA-1273, in its entirety, into all subcontracts and subsequent lower tier subcontracts on Federal-aid highway construction contracts only.
 5. Provide language assistance services (i.e., written translation and oral interpretation), free of charge, to LEP employees and applicants. Contact NCDOT OCR for further assistance, if needed.
 6. For assistance with these Title VI requirements, contact the NCDOT Title VI Nondiscrimination Program at 1-800-522-0453.
- (b) Subrecipients (e.g. cities, counties, LGAs, planning organizations) may be required to prepare and submit a Title VI Plan to NCDOT, including Title VI Assurances and/or agreements. Subrecipients must also ensure compliance by their contractors and subrecipients with Title VI. (23 CFR 200.9(b)(7))
 - (c) If reviewed or investigated by NCDOT, the contractor or subrecipient agrees to take affirmative action to correct any deficiencies found within a reasonable time period, not to exceed 90 calendar days, unless additional time is granted by NCDOT. (23 CFR 200.9(b)(15))
 - (d) The Contractor is responsible for notifying subcontractors of NCDOT’s External Discrimination Complaints Process.
 1. Applicability

Title VI and related laws protect participants and beneficiaries (e.g., members of the public and contractors) from discrimination by NCDOT employees, subrecipients and contractors, regardless of funding source.

2. Eligibility

Any person—or class of persons—who believes he/she has been subjected to discrimination based on race, color, national origin, Limited English Proficiency (LEP), sex, age, or disability (and religion in the context of employment, aviation, or transit) may file a written complaint. The law also prohibits intimidation or retaliation of any sort.

3. Time Limits and Filing Options

Complaints may be filed by the affected individual(s) or a representative and must be filed no later than 180 calendar days after the following:

- (i) The date of the alleged act of discrimination; or
- (ii) The date when the person(s) became aware of the alleged discrimination; or
- (iii) Where there has been a continuing course of conduct, the date on which that conduct was discontinued or the latest instance of the conduct.

Title VI and related discrimination complaints may be submitted to the following entities:

- North Carolina Department of Transportation, Office of Civil Rights, Title VI Program, 1511 Mail Service Center, Raleigh, NC 27699-1511; toll free 1-800-522-0453
- Federal Highway Administration, North Carolina Division Office, 310 New Bern Avenue, Suite 410, Raleigh, NC 27601, 919-747-7010
- US Department of Transportation, Departmental Office of Civil Rights, External Civil Rights Programs Division, 1200 New Jersey Avenue, SE, Washington, DC 20590; 202-366-4070

4. Format for Complaints

Complaints must be in writing and signed by the complainant(s) or a representative, and include the complainant's name, address, and telephone number. Complaints received by fax or e-mail will be acknowledged and processed. Allegations received by telephone will be reduced to writing and provided to the complainant for confirmation or revision before processing. Complaints will be accepted in other languages, including Braille.

5. Discrimination Complaint Form

Contact NCDOT Civil Rights to receive a full copy of the Discrimination Complaint Form and procedures.

6. Complaint Basis

Allegations must be based on issues involving race, color, national origin (LEP), sex, age, disability, or religion (in the context of employment, aviation or transit). "Basis" refers to the complainant's membership in a protected group category.

**TABLE 103-1
COMPLAINT BASIS**

Protected Categories	Definition	Examples	Applicable Nondiscrimination Authorities
Race and Ethnicity	An individual belonging to one of the accepted racial groups; or the perception, based usually on physical characteristics that a person is a member of a racial group	Black/African American, Hispanic/Latino, Asian, American Indian/Alaska Native, Native Hawaiian/Pacific Islander, White	Title VI of the Civil Rights Act of 1964; 49 CFR Part 21; 23 CFR 200; 49 U.S.C. 5332(b); 49 U.S.C. 47123. <i>(Executive Order 13166)</i>
Color	Color of skin, including shade of skin within a racial group	Black, White, brown, yellow, etc.	
National Origin <i>(Limited English Proficiency)</i>	Place of birth. Citizenship is not a factor. <i>(Discrimination based on language or a person's accent is also covered)</i>	Mexican, Cuban, Japanese, Vietnamese, Chinese	
Sex	Gender. The sex of an individual. <i>Note: Sex under this program does not include sexual orientation.</i>	Women and Men	1973 Federal-Aid Highway Act; 49 U.S.C. 5332(b); 49 U.S.C. 47123.
Age	Persons of any age	21-year-old person	Age Discrimination Act of 1975 49 U.S.C. 5332(b); 49 U.S.C. 47123.
Disability	Physical or mental impairment, permanent or temporary, or perceived.	Blind, alcoholic, para-amputee, epileptic, diabetic, arthritic	Section 504 of the Rehabilitation Act of 1973; Americans with Disabilities Act of 1990
Religion (in the context of employment) <i>(Religion/ Creed in all aspects of any aviation or transit-related construction)</i>	An individual belonging to a religious group; or the perception, based on distinguishable characteristics that a person is a member of a religious group. In practice, actions taken as a result of the moral and ethical beliefs as to what is right and wrong, which are sincerely held with the strength of traditional religious views. <i>Note: Does not have to be associated with a recognized religious group or church; if an individual sincerely holds to the belief, it is a protected religious practice.</i>	Muslim, Christian, Sikh, Hindu, etc.	Title VII of the Civil Rights Act of 1964; 23 CFR 230; FHWA-1273 Required Contract Provisions. <i>(49 U.S.C. 5332(b); 49 U.S.C. 47123)</i>

(3) Pertinent Nondiscrimination Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

- (a) Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.

- (b) The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- (c) Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- (d) Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability) and 49 CFR Part 27;
- (e) The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- (f) Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- (g) The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- (h) Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- (i) The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- (j) Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- (k) Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- (l) Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).
- (m) Title VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000e et seq., Pub. L. 88-352), (prohibits employment discrimination on the basis of race, color, religion, sex, or national origin).

(4) Additional Title VI Assurances

***The following Title VI Assurances (Appendices B, C and D) shall apply, as applicable*

- (a) Clauses for Deeds Transferring United States Property (1050.2A, Appendix B)

The following clauses will be included in deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4.

NOW, THEREFORE, the U.S. Department of Transportation as authorized by law and upon the condition that the North Carolina Department of Transportation (NCDOT) will accept title to the lands and maintain the project constructed thereon in accordance with the North Carolina General Assembly, the Regulations for the Administration of the Federal-Aid Highway Program, and the policies and procedures prescribed by the Federal Highway Administration of the U.S. Department of Transportation in accordance and in compliance with all requirements imposed by Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the NCDOT all the right, title and interest of the U.S. Department of Transportation in and to said lands described in Exhibit A attached hereto and made a part hereof.

(HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the North Carolina Department of Transportation (NCDOT) and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and will be binding on the NCDOT, its successors and assigns.

The NCDOT, in consideration of the conveyance of said lands and interests in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person will on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed [,] [and]* (2) that the NCDOT will use the lands and interests in lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations and Acts may be amended [, and (3) that in the event of breach of any of the above-mentioned nondiscrimination conditions, the Department will have a right to enter or re-enter said lands and facilities on said land, and that above described land and facilities will thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this instruction].*

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to make clear the purpose of Title VI.)

(b) Clauses for Transfer of Real Property Acquired or Improved Under the Activity, Facility, or Program (1050.2A, Appendix C)

The following clauses will be included in deeds, licenses, leases, permits, or similar instruments entered into by the North Carolina Department of Transportation (NCDOT) pursuant to the provisions of Assurance 7(a):

1. The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add "as a covenant running with the land"] that:
 - (i.) In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation activity, facility, or program is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) will maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
2. With respect to licenses, leases, permits, etc., in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will have the right to terminate the (lease, license, permit, etc.) and to enter, re-enter, and repossess said lands and facilities thereon, and hold the same as if the (lease, license, permit, etc.) had never been made or issued. *
3. With respect to a deed, in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will have the right to enter or re-enter the lands and facilities thereon, and the above described lands and facilities will there upon revert to and vest in and become the absolute property of the NCDOT and its assigns. *

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

(c) Clauses for Construction/Use/Access to Real Property Acquired Under the Activity, Facility or Program (1050.2A, Appendix D)

The following clauses will be included in deeds, licenses, permits, or similar instruments/ agreements entered into by the North Carolina Department of Transportation (NCDOT) pursuant to the provisions of Assurance 7(b):

1. The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add, "as a covenant running with the land") that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance.
2. With respect to (licenses, leases, permits, etc.), in the event of breach of any of the above Non- discrimination covenants, the NCDOT will have the right to terminate the (license, permit, etc., as appropriate) and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued. *
3. With respect to deeds, in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will there upon revert to and vest in and become the absolute property of the NCDOT and its assigns. *

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

STANDARD SPECIAL PROVISION**ON-THE-JOB TRAINING**

(10-16-07) (Rev. 6-16-26)

Z-10

Description

The North Carolina Department of Transportation administers a custom version of the Federal On-the-Job Training (OJT) Program, commonly referred to as the Alternative OJT Program. All Contractors will be automatically placed in the Alternative OJT Program.

The Alternate OJT Program will allow a Contractor to train employees on Federal, State and privately funded projects located in North Carolina. However, priority shall be given to training employees on NCDOT Federal-Aid funded projects.

On the Job Training shall meet the requirements of 23 CFR 230.107 (b), 23 USC – Section 140, this special provision and the NCDOT On-the-Job Training Program Manual.

Minorities and Women

Developing, training and upgrading of minorities and women toward journeyman level status is a primary objective of this special provision. Accordingly, the Contractor shall make every effort to enroll minority and women as trainees to the extent that such persons are available within a reasonable area of recruitment. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

Assigning Training Goals

The Department, through the OJT Program Unit, will assign annual training goals based on the Contractor's activity over the past three years' on federal projects with the Department. At the beginning of each year, all eligible Contractors will be contacted by the Department to determine the number of trainees that will be assigned for the upcoming calendar year. At that time, the Contractor shall enter into an agreement with the Department to implement a self-imposed on-the-job training program for the calendar year. This agreement will specify the annual training goals agreed upon by both parties. The number of training assignments may range from 1 to 15 per Contractor per calendar year, unless a higher number is agreed to by the Contractor. The Contractor shall sign an agreement committing to fulfill their annual goal for the year.

Training Classifications

The Contractor shall provide on-the-job training aimed at developing full journeyman level workers in the construction craft/operator positions.

The Department has established common training classifications and their respective training requirements that may be used by the Contractors. However, the classifications established are not all-inclusive. Where the training is oriented toward construction applications, training will be allowed in lower-level management positions such as office engineers and estimators. Contractors shall submit new classifications for specific job functions that their employees are performing.

The Department will review and recommend for acceptance to FHWA the new classifications proposed by contractors, if applicable. New classifications shall meet the following requirements:

Proposed training classifications are reasonable and realistic based on the job skill classification needs, and

The number of training hours specified in the training classification is consistent with common practices and provides enough time for the trainee to obtain journeyman level status.

The Contractor may allow trainees to be trained by a subcontractor provided that the Contractor retains primary responsibility for meeting the training and this special provision is made applicable to the subcontract. However, only the Contractor will receive credit towards the annual goal for the trainee.

Where feasible, 25 percent of trainees in each occupation shall be in their first year of training. The number of trainees shall be distributed among the work classifications on the basis of the Contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journeyman level status or in which they have been employed as a journeyman.

Records and Reports

The Contractor shall maintain enrollment, monthly and completion reports documenting company compliance under these contract documents. These documents and any other information as requested shall be submitted to the OJT Program Manager.

Upon completion and graduation of the program, the Contractor shall provide each trainee with a certification Certificate showing the type and length of training satisfactorily completed.

Trainee Interviews

All trainees enrolled in the program will receive at minimum an initial and Trainee/Post graduate interview conducted by the OJT program staff.

Trainee Wages

Contractors shall compensate trainees on a graduating pay scale based upon a percentage of the prevailing minimum journeyman wages (Davis-Bacon Act). Minimum pay shall be as follows:

60 percent	of the journeyman wage for the first half of the training period
75 percent	of the journeyman wage for the third quarter of the training period
90 percent	of the journeyman wage for the last quarter of the training period

In no instance shall a trainee be paid less than the local minimum wage. The Contractor shall adhere to the minimum hourly wage rate that will satisfy both the NC Department of Labor (NCDOL) and the Department.

Achieving or Failing to Meet Training Goals

The Contractor will be credited for each trainee currently enrolled or becomes enrolled in an approved program and who receives training for at least 50 percent of the specific program requirement. Trainees will be allowed to be transferred between projects if required by the Contractor's scheduled workload to meet training goals.

If a Contractor fails to attain their training assignments for the calendar year, they may be taken off the NCDOT's Bidders List.

Measurement and Payment

No compensation will be made for providing required training in accordance with these contract documents.

WORK ZONE TRAFFIC CONTROL

Project Special Provisions

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DocuSigned by:
Zachary T Clark
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WORK ZONE TRAFFIC CONTROL FOR INTERSTATE/FREEWAY RESURFACING

(2/17/2020) (Rev. 09/19/2025)

General Requirements

This Provision is intended for interstate / freeway resurfacing projects. In the event, the day and time restrictions allow for daytime work activities the Work Zone Presence Lighting and Sequential Flashing Lights are to be omitted during daylight hours. However, the Digital Speed Limit Signs and Connected Lane Closure Devices will be required at all times as described below.

Maintain traffic in accordance with Divisions 10, 11 and 12 of the *NCDOT Standard Specifications* and the following provisions:

Install Work Zone Advance Warning Signs in accordance with the attached drawing prior to beginning any other work.

When personnel and/or equipment are working within 10 feet of an open travel lane on a divided facility, close the nearest open travel lane using Standard Drawing 1101.02 of the *NCDOT Roadway Standard Drawings*.

When personnel and/or equipment are working within a lane of travel of a divided facility, close the lane using Standard Drawing 1101.02 of the *NCDOT Roadway Standard Drawings* or as directed by the Engineer.

Conduct the work so that all personnel and/or equipment remain within the closed travel lane. Perform work only when weather and visibility conditions allow safe operations as directed by the Engineer.

Remove lane closure devices from the lane when work is not being performed behind the lane closure or when a lane closure is no longer needed or as directed by the Engineer.

1. Time Restrictions for Lane Closure and Road Closure Activities

All lane closure and road closure activities shall be performed in compliance with the day and time restrictions listed and defined in this Contract.

Any activities performed outside of these requirements will be subject to liquidated damages unless approved by the Engineer prior to beginning the activity.

The Contractor may place/pre-stage all required signs and traffic control devices necessary for lane closures prior to the closure time as approved by the Engineer. However, flashing arrow boards and changeable message signs shall not indicate lane closure information until 30 minutes or less prior to the installation of the lane closure taper. Allowable pre-staging times are 1 hour for a single lane closure and 2 hours for double and triple lane closures. The travel lane(s) are to be closed at the prescribed times defined in this Contract. When available, law enforcement should be onsite to shadow workers during pre-staging activities.

For removal, the lane(s) must be reopened in compliance with the times defined in this Contract. It is acceptable to remove the signs and traffic control devices from the shoulder/staging area after the lane(s) are reopened to traffic. All electronic lane closure messages and flashing arrow displays shall be off once lanes are opened. When available, law enforcement should remain on the project while workers remove and secure their signs and devices.

2. Work Zone Speed Limits and Digital Speed Limit Signs (DSLS)

All speed limits are the sole authority of the NCDOT. An ordinance signed by the State Traffic Engineer is required for all speed limits in order to have a lawfully enforceable speed limit. No speed limit messages/signs shall be installed prior to receiving a signed ordinance.

The Regional Traffic Engineering Office and the Division Construction Engineer in coordination with the Work Zone Traffic Control Section will provide all work zone speed limit recommendations based on activities and conditions.

When lane closures are in effect, implement a Work Zone Variable Speed Limit Reduction as stated in the ordinance and in accordance with the attached provision and drawing.

Use Digital Speed Limit Signs (DSLS) to display the work zone speed limit as shown in the attached special provision and drawing. The speed limit shall be continuously displayed on the digital speed limit signs.

The Contractor will be responsible for coordinating with the Engineer when the work zone speed limits are to be changed and will have to seek approval by the Engineer before the speed limit is changed.

When the variable speed limit reductions are in effect, cover or remove any existing speed limit signs located within the active work area that conflict with the variable speed limit reduction.

The speed limit shall be returned to the existing speed limit when the lane closure is removed and traffic is returned to the existing pattern.

3. Connected Lane Closure Devices

Furnish and install Connected Lane Closure Devices that transmit the location of the lane closure to navigational companies and the Statewide Transportation Operations Center (STOC).

4. Work Zone Presence Lighting and Sequential Flashing Warning Lights

Provide the following for nighttime work activities:

A. Furnish and install Work Zone Presence Lighting to supplement the Contractor's portable construction and equipment lighting for the purpose of alerting motorists to the existence of an active work zone and to encourage compliance with the reduced work zone speed limit. See attached special provision.

B. Furnish and install Sequential Flashing Warning Lights on drums used for merging tapers to assist motorists in determining which direction to merge and to decrease late lane merging. Refer to Section 1140 of the *NCDOT Standard Specifications*.

5. Law Enforcement

Use two (2) off duty, uniformed law enforcement officers and official law enforcement vehicles, equipped with blue lights during lane closure operations and one (1) additional law enforcement officer for each ramp/loop closure when both operations occur simultaneously.

Use law enforcement officers to assist in the shadowing of workers during the installation and during the removal of lane closures.

Law enforcement vehicles shall not be parked within the buffer space or be used to block an active travel lane at any time, including while installing or removing lane closure tapers. When possible, position one law enforcement officer downstream of the other to conduct enforcement operations. When space is confined, conduct enforcement outside of the lane closure area.

Temporary Traffic Control (TTC)

Refer to Standard Drawing No. 1101.02, 1101.11, 1110.01, 1110.02, 1115.01, 1130.01, 1135.01, 1165.01, and 1180.01 of the *NCDOT Roadway Standard Drawings* when closing a lane of travel

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in a stationary work zone for items such as milling, paving, diamond grinding concrete pavements, minor bridge operations, and approach slab rehabilitation.

Drums are recommended for all lane closure operations occurring at night. However, if skinny drums are used at night, they shall be placed every 80' in the tangent sections of lane closure operations. Skinny drums shall not be used for upstream or shifting tapers.

When covering any signs, use an opaque material that prevents reading of the sign at night by a driver using high beam headlights. Use material which does not damage the sign sheeting. Adhesives of any kind, including tape, shall not be applied to the sign face.

Refer to Roadway Standard Drawing No. 1101.02, Sheets 10 and 11, of the *NCDOT Roadway Standard Drawings* for diamond grinding, milling and/or paving of ramps unless otherwise approved to be closed by the Engineer. If approved, see attached drawing for typical placement of devices and signing for the detour route. All items shall be compensated for based on the unit bid price for the respective item.

Refer to Roadway Standard Drawing No. 1101.03, Sheet 7, of the *NCDOT Roadway Standard Drawings* for a closure of the interstate/freeway with traffic detoured via interchange ramps for items such as minor bridge and approach slab rehabilitation. Use flaggers or law enforcement to direct traffic at ramp terminals as directed by the Engineer.

Refer to Roadway Standard Drawing No. 1101.02, Sheet 15 or 16, of the *NCDOT Roadway Standard Drawings* for utilizing a moving operation for such items as pavement marking and marker placement. A minimum speed of 3 mph shall be maintained at all times with no stops that narrow or close a lane of travel. If the moving operation is progressing slower than 3 mph at any time, install a lane closure. All traffic control devices for this operation are considered incidental to the pay items for pavement markings and markers.

Traffic Operations

1. Project Requirements

Failure to comply with the following requirements will result in a suspension of all other operations:

- A. Before working on ANY MAP, the Contractor shall submit a written construction sequence for traffic control and construction lighting for ALL MAPS to the Engineer at the first pre-construction meeting and the sequence must be approved before closing a lane of traffic.

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- B. The standard active work area is 2 miles. This is defined as the distance of Resurfacing Operations taking place in a single work period. However, the maximum allowed lane closure distance is 5 miles. Approval by the Engineer is required before closing more than 2 miles of Interstate to ensure the Contractor has the equipment and labor force to actively pursue the work.
- C. Notify the Engineer 15 consecutive calendar days before resurfacing a bridge or its approaches. Patch and make repairs to bridge surface and its approaches before resurfacing occurs. Coordinate all operations on the bridge and its approaches with the Engineer.
- D. Notify the Engineer 48 hours before resurfacing the areas of existing pavement that require patching. Patch these areas before resurfacing occurs. Allow full depth asphalt patching to cool to the point of supporting traffic without displacement or rutting before reopening closed lane. Coordinate the resurfacing operations of the patched areas with the Engineer.
- E. Notify the Engineer 48 hours before milling or resurfacing will interfere with the existing Signal Loops. Loops may need to be placed in milled surface before resurfacing occurs. Coordinate all signal loop operations with the Engineer.
- F. Obtain written approval of the Engineer before working in more than one location or setting up additional lane closures.
- G. The Contractor on this and any adjacent projects, or subcontractors working within this project shall coordinate lane closure location, type, and direction with the Engineer to best maintain lane continuity through the limits of this and adjacent projects.
- H. Operate equipment and conduct operations in the same direction as the flow of traffic. Maintain vehicular access in accordance with Article 1101-05 of the *NCDOT Standard Specifications*.
- I. Provide appropriate construction lighting in accordance with Section 1413 of the *NCDOT Standard Specifications*.
- J. The Contractor shall diamond grind, mill, and pave lanes in an order such that water shall not accumulate.

2. Paving Lift Requirements and Time Limitations

Failure to comply with the following requirements will result in a suspension of all other operations until all lanes of traffic are brought to the same station and elevation:

Paving Overlays and Lifts up to 3"

- A. For surface course paving lifts of 2" or less, the Contractor shall conduct his paving operations such that the following conditions are met.

Once paving begins in any lane, the Contractor will be permitted to pave as far as the work operations allow (up to 5 miles) for the initial paving period. In the next days' paving operation, not to exceed 72 hours later, bring the adjacent lane to the same station and elevation. At the end of the work period, any uneven lane conditions shall be signed with an "UNEVEN PAVEMENT/NEXT XX MILES" on the portable changeable message signs and portable "UNEVEN PAVEMENT" signs (dual mounted) 1,000' in advance of the uneven pavement and every ½ miles thereafter along the uneven portion of roadway. Once mitigated, all portable "UNEVEN PAVEMENT" signs shall be removed.

For Open Graded Surface Mixes, "UNEVEN PAVEMENT" signs are not required.

- B. For 3" surface course mixes, place in two paving lifts of 1 ½" each unless directed otherwise by the Engineer. Conditions for uneven travel lanes same as described above.

Paving Lifts Greater than 3"

For all other paving lifts greater than 3", bring all newly resurfaced lanes to the same station and elevation by the end of each work period unless the Contractor utilizes the notched wedge paving methods as described below:

- A. Any paving lift greater than 3" shall be mitigated by having an approved wedge apparatus on the paver that shapes the edge 1" vertically and the remaining at a maximum slope steepness of 2:1. The maximum paving lift allowed to use this method is 3".
- B. At the end of the work period, the Contractor shall place portable "UNEVEN PAVEMENT" signs in advance of the uneven pavement and spaced every ½ mile along the section of uneven pavement. Once mitigated, all portable "UNEVEN PAVEMENT" signs shall be removed.

- C. In the next day's paving operation and not to exceed 72 hours later, the Contractor shall bring up the adjacent lane to the same station and elevation before any further paving takes place on the project.

Milling Operations (Does Not Apply to Fine Milling)

Conduct milling operations so that any milled pavement is paved back by the end of each work period.

A milled/grooved surface shall not be re-opened to traffic except in cases where inclement weather or mechanical failure prevents the paving back of the lane by the end of the work period.

If milled areas are not paved back within the same work period due to inclement weather or mechanical failure, the Contractor is to furnish and install portable signs to warn drivers of the conditions. The signs include "Grooved Pavement" (W8-15) w/ Motorcycle Plaque mounted below, and "Uneven Lanes" (W8-11). These are to be dual indicated where lateral clearance can be obtained within the median areas. Install the "Grooved Pavement" (W8-15) w/ Motorcycle Plaque 1500' in advance of the milled area. Install the "Uneven Lanes" (W8-11) 500' in advance of the milled area. Alternate these signs every ½ mile. Once mitigated, all portable signs are to be removed.

Slope the pavement at the beginning and end of the daily milling operation as directed by the Engineer. Sweep and remove all milled material from the roadway as soon as the daily milling operation is completed. Remove any existing pavement adjacent to the milled area that has been damaged and replace it with patch material as directed by the Engineer.

Fine Milling / Microsurfacing Operations (Depths less than 1")

For fine milling operations less than 1", paving is not required in the same work period. The paving of the fine milled area is to be conducted within the next work period and not to exceed 72 hours later. No advance warning signs are needed for the conditions. However, pavement markings are required by the end of each work period.

3. Pavement Markings and Markers

Review and record the existing pavement markings and markers before obliteration. Re-establish the new pavement markings and markers using the record of existing markings in conjunction with the contract. Unless otherwise directed by the Engineer, new pavement markings and markers not meeting the current standards should be updated as specified in the contract. Submit the record of

the existing pavement markings seven calendar days before the obliteration of any pavement markings.

Obliterated pavement markings shall be replaced by the end of each work period. Interim paint may be used to comply with time limitations if final pavement markings cannot be placed except for milled surfaces or diamond ground surfaces. Final markings shall be placed using the record of existing markings within 30 days in accordance with Section 1205-4 and Section 1205-5. For milled surfaces, temporary pavement markings shall be used in accordance with Section 1205-8(C). There will be no direct payment for interim paint. Temporary paint will be paid for at the contract unit price.

For concrete surfaces that have been diamond ground as a surface treatment, 4" temporary paint shall be used in accordance with Section 1205-8(C). Upon completion of all diamond grinding operations, 4" line removal shall be used to remove 100% of the 4" temporary paint on the final concrete surface by grinding method only. Use an acceptable method to grind ridges smooth only where pavement markings will be installed prior to placing final pavement marking material. This method shall also be used in the area of the black contrast for surface preparation. Payment for line removal will be made in accordance with Section 1205-10.

For project winterization, install temporary paint markings in accordance with Section 1205-8(C) of the *NCDOT Standard Specifications*. Use 4" lane, edge, and center lines and 8" gore lines. Compensation for this work shall be made in accordance with Section 1205-10 except that no payment will be made if paving is completed more than 30 days before the written notification by the Department that winterization is required.

4. Work Zone Signing

A. Description

Install advance/general warning work zone signs according to the attached drawings prior to beginning work.

For paving overlays of 3" or greater that create a drop-off adjacent to the median shoulder, install "LOW/SOFT SHOULDER" (SP 13107) signs on the median shoulder. Place initially at the construction limits, and then space 1 mile thereafter. No signing required for the outside shoulder.

Install and maintain signing in accordance with Divisions 11 and 12 of the *NCDOT Standard Specifications*.

B. Installation

All stationary Work Zone Advance/General Warning signs require notification to existing Utility owners per Article 105-8 of the *NCDOT Standard Specifications* and within 3 to 12 full working days prior to installation.

Install all Work Zone Advance/General Warning signs before beginning work on a particular map. If signs are installed more than seven (7) calendar days prior to the beginning of work on a particular map, cover the signs until the work begins. Install each Work Zone Advance/General Warning sign separately and not on the same post or stand with any other sign except where an advisory speed plate or directional arrow is used.

All sign locations to be verified by the Engineer prior to installation. Once the signs have been installed and accepted, any sign relocations requested by the Department will be compensated in accordance with Article 104-7. Any additional signs other than the ones required in this provision or attached drawings will be compensated in accordance with Article 104-7.

If there is a period of construction inactivity longer than 14 calendar days, remove or cover Work Zone Advance/General Warning signs. Uncover Work Zone Advance/General Warning signs no more than 7 calendar days before work resumes.

All other operations may be suspended upon failure to comply with the above requirements. Such suspended operations would not be resumed until the above requirements are fulfilled.

C. Sign Removal

Once Maps on the project are substantially completed, it is acceptable to remove the stationary work zone signs on those Maps in lieu of waiting until all of the Maps are completed on the project. A Map is substantially complete when the resurfacing operations are completed and the shoulders are brought up to the same elevation as the proposed pavement and when temporary pavement markings (paint) are installed along the centerline and edge lines as well as the ramps and loops. The final pavement markings (thermoplastic or polyurea) and/or markers do not have to be installed for the Map to be considered substantially complete. Final pavement markings and markers are installed with portable signing and changeable message signs according to Roadway Standard Drawing 1101.02, Sheet 16. Any remaining punch list items requiring traffic control are to be completed using

portable work zone signing with compensation covered in the contract unit price for the required traffic control items.

Stationary Work Zone Sign removal is a condition of final project acceptance.

D. Lane Closure Work Zone Signs

Install any required lane closure signing needed during the life of the project in accordance with Standard Drawing No. 1101.02, 1101.11, and 1110.02 of the *NCDOT Roadway Standard Drawings*.

Measurement and Payment

The lane closure distance is measured from the end of the merge taper where traffic is completely in the remaining open lane(s) to the last channelizing device closing the lane. For multiple lane closures, the lane closure distance is measured from the end of the first merge taper to the last channelizing device closing the lanes.

Work Zone Signs (Stationary) will be measured and paid in accordance with Section 1110-4 of the *Standard Specifications*.

Single Lane Closure will be measured and paid as the actual number of single stationary lane closures satisfactorily installed for required operations as shown in Roadway Standard Drawing 1101.02, Sheets 4, 5, 6, 10 & 11. All labor, traffic control devices, and signing for *Single Lane Closure*, up to 5 miles, as shown in these Roadway Standard Drawings are paid under this item.

Double Lane Closure will be measured and paid as the actual number of double stationary lane closures satisfactorily installed for paving and all other required operations as shown in Roadway Standard Drawing 1101.02, Sheets 8, 10 & 11. All labor, traffic control devices, and signing for *Double Lane Closure*, as shown in these Roadway Standard Drawings are paid under this item. In the event, separate double lane closures are necessary in the same direction as the work operation and the closures are at least 2 miles apart, the Contractor will be paid for each double lane closure.

Triple Lane Closure will be measured and paid as the actual number of triple stationary lane closures satisfactorily installed for paving and all other required operations as shown in Roadway Standard Drawing 1101.02, Sheets 9, 10 & 11. All labor, traffic control devices, and signing for *Triple Lane Closure* as defined above are paid under this item. In the event, separate triple lane closures are necessary in the same direction as the work operation and the closures are at least 2 miles apart, the Contractor will be paid for each triple lane closure.

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Ramp/Loop Traffic Control will be measured and paid as the actual number of traffic control set ups satisfactorily installed at each ramp and loop. This includes set-ups on multiple lane ramps and loops. All labor, traffic control devices, and signing for *Ramp/Loop Traffic Control* are paid under this item.

Ramp/Loop Closure will be measured and paid as the actual number of total ramp/loop closures and detours satisfactorily installed for ramp/loop paving and all other required operations, as shown on Roadway Standard Drawing 1101.02, Sheets 12 & 13, and the Short Term Closure and Detour of Interstate/Freeway Ramps detail drawing. All labor, traffic control devices and signing required for re-routing traffic as shown on the Roadway Standard Drawing and the Short Term Closure and Detour of Interstate/Freeway Ramps detail drawing are paid under this item. In the event two separate ramps are closed at the same time, they will be measured individually and paid on a per each basis.

Paint Pavement Marking Lines, Paint Pavement Marking Symbols, and Removal of Pavement Marking Lines will be measured and paid in accordance with Section 1205-10 of the *Standard Specifications*.

Law Enforcement will be measured and paid in accordance with Section 1190-3 of the *Standard Specifications*.

Sequential Flashing Warning Lights will be measured and paid in accordance with Section 1140-5 of the *Standard Specifications*.

Digital Speed Limit Signs, Connected Lane Closure Devices, and Work Zone Presence Lighting are paid separately in accordance with their respective special provisions.

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DN12225454

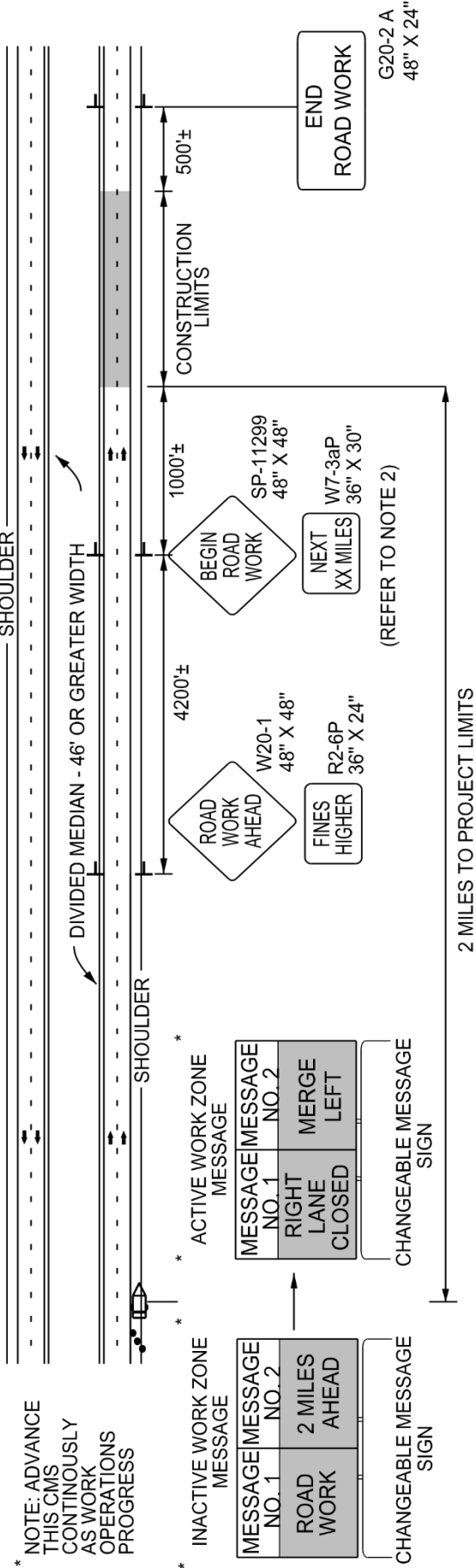
Haywood

Payment will be made under:

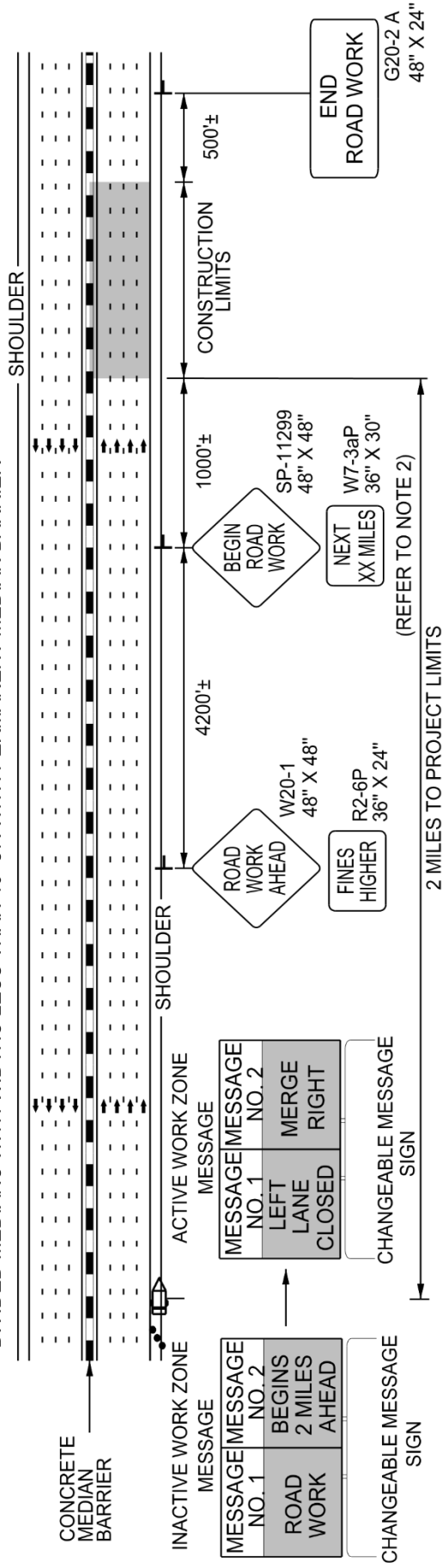
Pay Item	Pay Unit
Work Zone Signs (Stationary)	SF
Single Lane Closure	EA
Double Lane Closure	EA
Triple Lane Closure	EA
Ramp/Loop Traffic Control	EA
Ramp/Loop Closures	EA
Paint Pavement Marking Lines (__”)	LF
Paint Pavement Marking Symbols	EA
Removal of Pavement Marking Lines (__”)	LF
Law Enforcement	HR
Sequential Flashing Warning Lights	EA

STATIONARY ADVANCE WARNING SIGNS FOR INTERSTATE / FREEWAY RESURFACING PROJECTS

DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER



DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER





TRAFFIC DRUM



DIRECTION OF TRAFFIC FLOW

LEGEND



CHANGEABLE MESSAGE SIGN (CMS)



STATIONARY SIGN

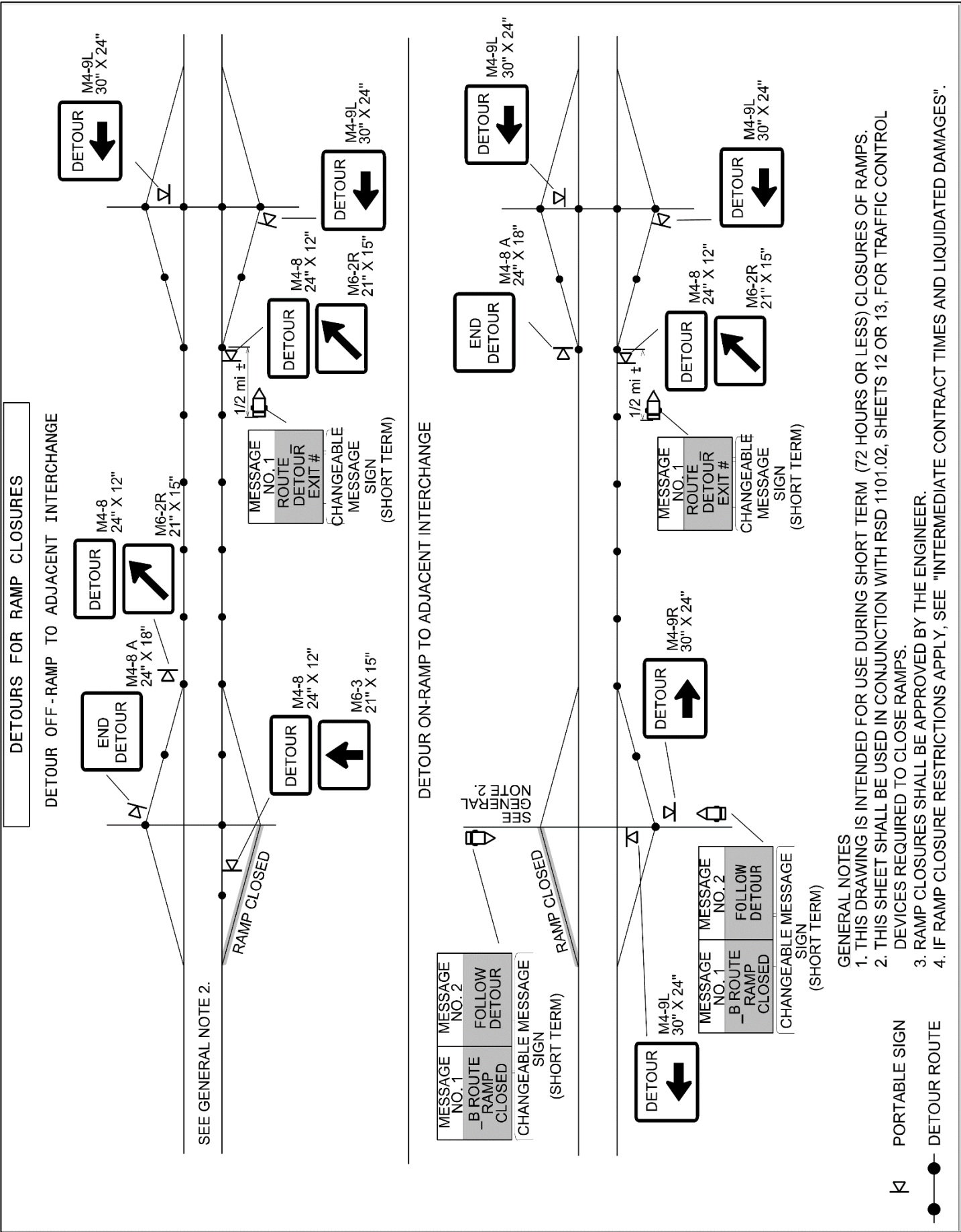
NOTES

1. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE WORK ZONE VARIABLE SPEED LIMIT USING DIGITAL SPEED LIMIT SIGNS FOR INTERSTATE/FREEWAY RESURFACING PROJECTS DETAIL.

2. FOR SIGN W7-3aP, ROUND TO THE NEAREST MILE.

3. FOR ENTRANCE AND EXIT RAMP, REFER TO RSD 1101.01, SHEET 1, DETAIL B & C.

4. FOR ADDITIONAL NOTES, REFER TO RSD 1101.01, SHEET 1.



CONNECTED LANE CLOSURE SYSTEM

(10/29/2018) (Rev. 2/17/2026)

Description

Furnish, install, operate, maintain, relocate, and remove Connected Lane Closure Systems (CLCS) for lane closures on multi-lane roadways with posted speed limits of 55 mph and greater. The purpose of CLCS is to transmit real-time information of active lane closures for use by the State Transportation Operations Center (STOC), Regional Transportation Management Centers (TMCs), and traveler information systems; and for third party vendors (Mapping, Navigation, Connected Vehicles, etc.) to identify and provide advanced notification of active lane closures to approaching motorists.

Materials

The CLCS shall be designed and built to transmit the real-time location and direction of the lane closure. The information transmitted shall conform to the current version of the USDOT's Work Zone Data Exchange (WZDx) specification and be made available to NCDOT approved consumers of this data. More information about the WZDx specification can be found at (<https://www.transportation.gov/av/data/wzdx>)

The connected lane closure devices shall be capable of wireless communication.

The initial connected device representing the START location shall be designed and attached to the flashing arrow board in such a manner that it is only activated when either the left or right arrows are displayed, not when the flashing arrow board is operated in caution mode. The connected device shall no longer transmit location information when the flashing arrow board is turned off or changed to caution mode. The device shall have a visual indicator (e.g. an illuminated light, either steady burn or flash) to allow clear, visual proof the device is powered on, has established communication and is transmitting. The visual indicator shall not be located such that it potentially creates confusion for the motorists.

A second connected device representing the END location shall be installed on a crashworthy traffic control device. It shall have an easily accessible power switch and a small status indicator light mounted such that it is visible when passing by in a vehicle at operating speed. When switched to the ON position, the light shall indicate the device has established communication and is transmitting. The light may be either steady burn or flashing and shall not exceed one (1) inch in diameter. This second connected device representing the END location may be created virtually by a connected flashing arrow board.

The devices shall have sufficient battery life to maintain operation for the duration of the lane closure or can be recharged without deactivating the device or impacting the lane closure information transmitted to the external parties. All costs associated with charging are incidental and shall be included in the cost of the system.

Construction Methods

CLCS shall be used on all lane closures on multi-lane roadways with posted speed limits of 55 mph and greater throughout the duration of the project.

A START and END location shall be established by the installed system per grouping of lane closures (single, double, or triple); one attached and wired into the flashing arrow board at the beginning of the first taper. The other at the last traffic control device at the end of the lane closure(s) if the END location cannot be created virtually. Supplemental flashing arrow boards in advance of the first lane closure taper or flashing arrow boards in subsequent lane closures (for double and triple lane closures) shall not transmit location information if equipped with connected devices. Subsequent lane closures occurring downstream of where all lanes have been reopened or lane closures in the opposite direction of travel will require additional connected devices.

The second connected lane closure device shall be manually turned ON and OFF by crews installing and removing the lane closure unless the device can be controlled or virtually created by the initial connected device. The unit shall be turned ON immediately upon installation of the lane closure and turned OFF immediately upon removal of the lane closure.

When the lane closure is removed, the flashing arrow board shall be turned off or changed to caution mode, and the connected device shall automatically turn off simultaneously and shall no longer transmit location information. Turning the device away from traffic or moving the device to a staging area with the arrow board in arrow mode is not acceptable.

The CLCS shall run continuously during any active lane closure for the duration of the contract. Once installed, the Contractor shall verify that the connected lane closure devices are transmitting information prior to leaving the device unattended and re-verify transmission every 72 hours for long-term installations.

Technical Requirements

The GPS within the connected devices shall have a horizontal accuracy of 10 feet, 95% of the time.

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The system shall send real-time alerts to designated NCDOT personnel when the flashing arrow mode or direction is changed. The alert shall be within 5 minutes of the actual change.

The connected device shall transmit a Connected Work Zone (CWZ) Device Feed in compliance with the Work Zone Data Exchange (WZDx) specification (WZDx Specification (Field Device) / Connected Work Zone Specification (CWZ)). The feed shall be transmitted within five (5) minutes of initiation and updated every fifteen (15) minutes to the central server.

All required properties shall be transmitted. In addition, the following properties are also require:

- Road Direction
- Road Name
- Status Messages
- Is in Transport Position

More information about the WZDx specification can be found at <https://www.transportation.gov/av/data/wzdx>.

The Contractor shall provide multiple logins to a secured server (e.g. vendor dashboard) that provides real-time and historic status. The status must be exportable, within 24 hours, in .csv or .xls/.xlsx format and include data for date, device name, flashing arrow mode, communication status, road name, road direction, battery voltage, time on, time off, and GPS coordinates. The historic logged information shall be available to CLCS users 24/7/365 during the length of the entire construction phase. All logged information from the project shall be retained by the Contractor and be available to the NCDOT for at least three (3) years after the contract ends.

The battery voltage shall be collected at least once an hour. The information shall be stored and available for troubleshooting. To prevent communication loss, the system shall transmit an alert via E-mail or SMS to designated personnel if the battery voltage of a device is under a specified threshold.

The CLCS shall provide an immediate electronic alert (e.g. via E-mail or SMS) to the Traffic Control Supervisor or other designated individual if a device is not transmitting its position for a period of 30 minutes or more.

The outputs from the connected device on the arrow board and the downstream connected (or virtual) device at the end of the lane closure shall be easily identifiable as a single system, either by sequential device IDs, identical project names, or other method as approved by the Engineer. Additional pairs on the project shall have unique identifiable information such that it is not confused with another project system.

Measurement and Payment

Connected Lane Closure System will be measured and paid as the maximum number of connected systems acceptably placed and in use at any one time during the life of the project. Each lane closure system may be satisfied by one of the following:

- Two (2) connected lane closure devices; one connected to the flashing arrow board and the other on a crashworthy device at the downstream end of the lane closure.
- One (1) connected lane closure device connected to the flashing arrow board that can generate a virtual END location with 10' accuracy.

All devices for each system must be functioning properly to receive payment for the system. No payment will be made for a system until all devices are satisfactorily installed and operational at the device and on the vendors dashboard. A copy of the device status reporting should be provided by the Contractor every 2 weeks.

The price for each connected lane closure system will cover all material, labor, maintenance, relocation, removal, and communication costs required for the duration of the project.

Flashing arrow boards and crashworthy devices (such as drums) used to mount the downstream connected lane closure device are paid separately elsewhere in this Contract.

Pay Item

Connected Lane Closure System

Pay Unit

Each

WORK ZONE DIGITAL SPEED LIMIT SIGNS

(5/10/2021) (Rev. 12/16/2025)

Description

Furnish and install Work Zone Digital Speed Limit Signs as indicated in the plans or as directed by the Engineer. Work Zone Digital Speed Limit Signs are regulatory speed limit signs with LED displays for the speed limit numbers.

Materials

Digital Speed Limit Signs shall be a minimum 36 inches wide x 48 inches high. The speed limit sign (R2-1) shall be black on white with high intensity white prismatic sheeting.

The Digital Speed Limit Sign shall be mounted such that the bottom of the sign is 7 feet above roadway.

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The LED panel shall be a minimum of 28 inches wide x 18 inches high. The display on the LED panel shall be amber or white.

The LED numbers shall have a minimum 5 wide by 7 high pixel array with a minimum height of 18 inches.

The LED panel shall have auto brightness/dimming capability.

The black on orange G20-5aP WORK ZONE sign shall be mounted above the speed limit sign. It shall be 36 inches wide x 24 inches high with high intensity prismatic orange sheeting.

The black on white R2-6bP \$250 FINE sign shall be mounted below the speed limit sign. It shall be 36 inches wide x 24 inches high with high intensity prismatic white sheeting.

All digital speed limit systems shall have operational software and wireless communications that allows for remote operation and data monitoring. It shall be configured to allow access by the Engineer or their designee to change each sign independently or change the speed limit on all signs at once from a PC, tablet or cellular phone application.

The Work Zone Digital Speed Limit systems shall have flashing beacons. The beacons are to be a minimum of 8 inch diameter LED circular yellow. They shall be mounted above and below the sign assemblies and are to be centered. The beacons shall alternately flash at rates not less than 50 or more than 60 times per minute.

The flashing beacons shall be mounted in such a manner that the \$250 FINE sign is not obscured when in operation.

Digital Speed Limit Signs may be trailer mounted or stationary mounted. The unit shall be solar powered and operate continuously. It shall be supplemented with a battery backup system which includes a 110/120 VAC powered on-board charging system.

The batteries, when fully charged, shall be capable of powering the display for 20 continuous days with no solar power. The unit shall be capable of being powered by standard 110/120 VAC power source.

Store the battery bank and charging system in a locked, weather and vandal resistant box.

All Work Zone Digital Speed Limit Sign equipment shall be on the NCDOT Approved Products List.

Digital Speed Limit Displays

The speed limit shall be continuously displayed on the signs. All stationary speed limit signs shall be covered when Digital Speed Limit systems are in operation.

Displaying Reduced Speed Limits

The Digital Speed Limit systems shall have beacons activated when the work zone speed limit is reduced. Otherwise, the beacons are to remain off.

Displaying Existing Speed Limits

When the existing speed limit is displayed on the Digital Speed Limit Signs, the beacons are to remain off.

Other Construction Methods

The speed limits are the sole authority of the NCDOT. An ordinance signed by the State Traffic Engineer is required for all speed limits in order to have a lawfully enforceable speed limit.

The Regional Traffic Engineering Office and the Division Construction Engineer in coordination with the Work Zone Traffic Control Section will provide all work zone speed limit recommendations based on activities and conditions.

The Contractor will be responsible for coordinating with the Engineer when the work zone speed limits are to be changed and will have to seek approval by the Engineer or their designee before the speed limit is changed.

Whenever possible, each trailer mounted unit shall be placed on the paved shoulder and shall have the capability of being leveled.

Install stationary mounted advance warning signs WORK ZONE, VARIABLE SPEED ZONE AHEAD, and \$250 FINE according to the attached detail.

Measurement and Payment

Work Zone Digital Speed Limit Signs will be measured and paid as the maximum number of Work Zone Digital Speed Limit Signs satisfactorily installed according to the attached detail and properly functioning at any one time during the life of the project.

This includes all materials and labor to install, maintain and remove all the Work Zone Digital Speed Limit Signs.

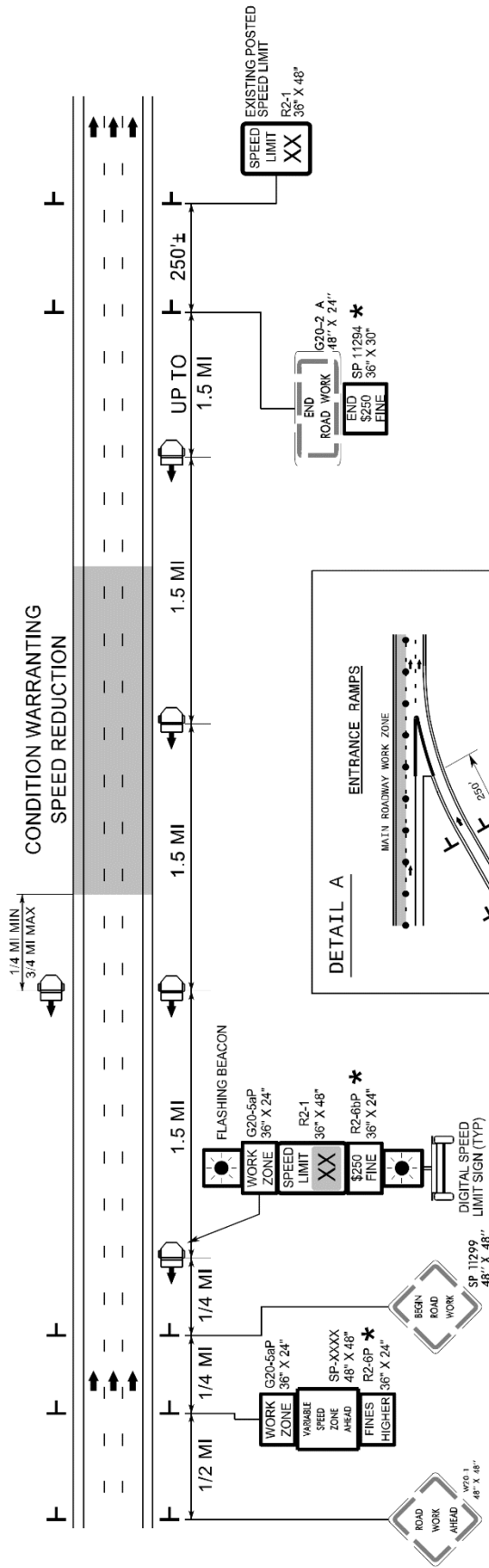
Stationary mounted advance warning signs installed according to the attached detail are measured and paid separately in accordance with Article 1110-4 of the Standard Specifications.

Pay Item

Work Zone Digital Speed Limit Signs

Pay Unit

Each



* USE ONLY IF ORDINANCED. SEE NOTE 5 BELOW.

NOTES

1. THE DIGITAL SPEED LIMITS SIGNS WILL BE INSTALLED (TRAILER MOUNTED OR STATIONARY MOUNTED) IN ADVANCE OF AND SPACED APPROXIMATELY 1.5 MILES THROUGHOUT THE PROJECT LIMITS, UNLESS DIRECTED OTHERWISE.
2. WITHIN 1/4 TO 3/4 MILE UPSTREAM OF CONDITION WARRANTING A SPEED REDUCTION, PLACE A DIGITAL SPEED LIMIT SIGN ON BOTH THE INSIDE AND OUTSIDE SHOULDERS. UNLESS DIRECTED OTHERWISE BY THE ENGINEER, AT ALL OTHER LOCATIONS DOWNSTREAM, PLACE A SINGLE DIGITAL SPEED LIMIT SIGN ON THE OUTSIDE SHOULDER.
IF SIGNS ARE NOT HIGHLY VISIBLE TO ALL MOTORISTS, SUPPLEMENTAL DIGITAL SPEED LIMIT SIGNS ARE PERMITTED ON THE MEDIAN SHOULDER.
3. THE DIGITAL SPEED LIMIT SIGNS TAKE PRECEDENCE OVER EXISTING SPEED LIMIT SIGNS AND SHOULD REMAIN UPRIGHT AND VISIBLE AT ALL TIMES. ALL EXISTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED FOR DURATION OF THE PROJECT.
4. NCDOT HAS SOLE AUTHORITY OF THE SPEED LIMITS DISPLAYED ON THE DIGITAL SPEED LIMIT SIGNS.
5. THE WORK ZONE VARIABLE SPEED LIMIT AND THE \$250 SPEEDING PENALTY ARE SEPARATE ORDINANCES THAT MUST BE SIGNED BY THE STATE TRAFFIC ENGINEER TO BE VALID AND ENFORCEABLE. WITHOUT SIGNED ORDINANCES, THE SPEED LIMIT ON A FACILITY SHALL REMAIN UNCHANGED AND/OR HIGHER FINES SIGNS SHALL NOT BE USED.
6. THE REDUCED SPEED SHALL BE DISPLAYED A MINIMUM OF 1/4 MILE AND A MAXIMUM OF 3/4 MILE IN ADVANCE OF AND THROUGHOUT THE AREA MEETING CONDITIONS LISTED IN THE CHART. THE EXISTING SPEED LIMIT SHALL BE DISPLAYED ON ALL OTHER DIGITAL SPEED LIMIT SIGNS.
7. THE SPEED DISPLAYED SHALL BE THE LOWER OF THE EXISTING SPEED LIMIT OR THE SPEED IN THE WORK ZONE CONDITION CHART.
8. THE BEACONS ON THE DIGITAL SPEED LIMIT SIGNS SHALL ONLY FLASH DURING TIMES THE SPEED IS REDUCED, AND REMAIN OFF AT ALL OTHER TIMES.

WORK ZONE CONDITIONS	SPEED TO DISPLAY (SEE NOTE 6 & 7)
2 LANES REDUCED TO 1 LANE	45 / 35
3 LANES REDUCED TO 1 LANE	55
3 LANES REDUCED TO 2 LANES	60
4 LANES REDUCED TO 1 LANE	55
4 LANES REDUCED TO 2 LANES	60
4 LANES REDUCED TO 3 LANES	65
1 OPEN LANE WITH CONTINUOUS BARRIER ON BOTH SHOULDERS	55
1 OPEN LANE WITH CONTINUOUS BARRIER ON 1 SHOULDER	60
3 OR 2 OPEN LANES WITH CONTINUOUS BARRIER ON BOTH SHOULDERS	60
3 OR 2 OPEN LANES WITH CONTINUOUS BARRIER ON 1 SHOULDER	65
4 OPEN LANES WITH BARRIER CONTINUOUS ON BOTH SHOULDERS	65
4 OPEN LANES WITH BARRIER CONTINUOUS ON 1 SHOULDER	EXISTING
UNEVEN LANES	60

LANE CLOSURES

CONTINUOUS BARRIER
(LENGTH OF BARRIER
GREATER THAN 1 MILE)

WORK ZONE PRESENCE LIGHTING

(10/14/19) (Rev. 5/10/2021)

Description

Furnish and install Work Zone Presence Lighting during nightly lane closures on multilane roadways with speed limits of 55 mph or greater.

Materials

Anti-glare lighting systems are required. Work Zone Presence Lighting shall be installed in accordance with the attached detail and the Manufacturer's recommendations.

Supply a power source for each light to provide the light output as described in the chart below.

Each light unit shall be capable of providing a minimum of 14,000 lumens illuminating a minimum area of approximately 3,000 square feet. The light shall be capable of being elevated to a height of 14 feet above the pavement.

Each light unit support base or mounting stand shall have the capability of being leveled such that the light mast is plumb.

Provide Work Zone Presence Lighting listed on the NCDOT Approved Products List.

Construction Methods

Work Zone Presence Lighting is permitted to be prestaged (up to 1 hour prior for single lane closures and up to 2 hours prior for double or triple lane closures) along with other traffic control devices or installed within 1 hour after the necessary traffic control has been installed for the lane closure(s). At the end of the work night, the Work Zone Presence Lighting shall be removed within 1 hour before or after the lane closure(s) is removed.

Whenever possible, each light unit shall be placed on the outside paved shoulder, a minimum of 4 feet from the travel lane and spaced according to the chart below based on the amount of light output for each unit.

Work Zone Presence Lighting is permitted to supplement the Portable Construction Lighting inside the lane closure. At no time shall Work Zone Presence Lighting be used in lieu of Portable Construction Lighting when required.

If there is sufficient existing overhead lighting, Work Zone Presence Lighting may be eliminated as directed by the Engineer.

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Haywood

Lighting Unit Installation Requirements

The lighting units shall be installed in advance of the lane closure as shown on the attached detail and spaced according to the chart below:

Light Output (Lumens)	Illuminated Fixture Area (Sq. Ft.)	AREA 1		AREA 2	
		# of Lights	Spacing*	# of Lights	Spacing*
14,000 - 35,000	4	6	640' (16 skips)	8	480' (12 skips)
35,001 - 59,999	5	5	800' (20 skips)	6	640' (16 skips)
60,000+	6+	4	1,000' (25 skips)	5	800' (20 skips)

*Skips refer to traditional 10' pavement marking lines with 30' gaps.

Area 1: Begins 2,640' downstream from CMS; Extends to just past 1st Lane Closure Sign

Area 2: Begins just past the 1st Lane Closure Sign; Extends to just past the last Lane Closure Sign

MEASUREMENT AND PAYMENT

Work Zone Presence Lighting will be measured and paid as the maximum number of lighting units satisfactorily placed, accepted by the Engineer, and in use at any one time during the life of the project.

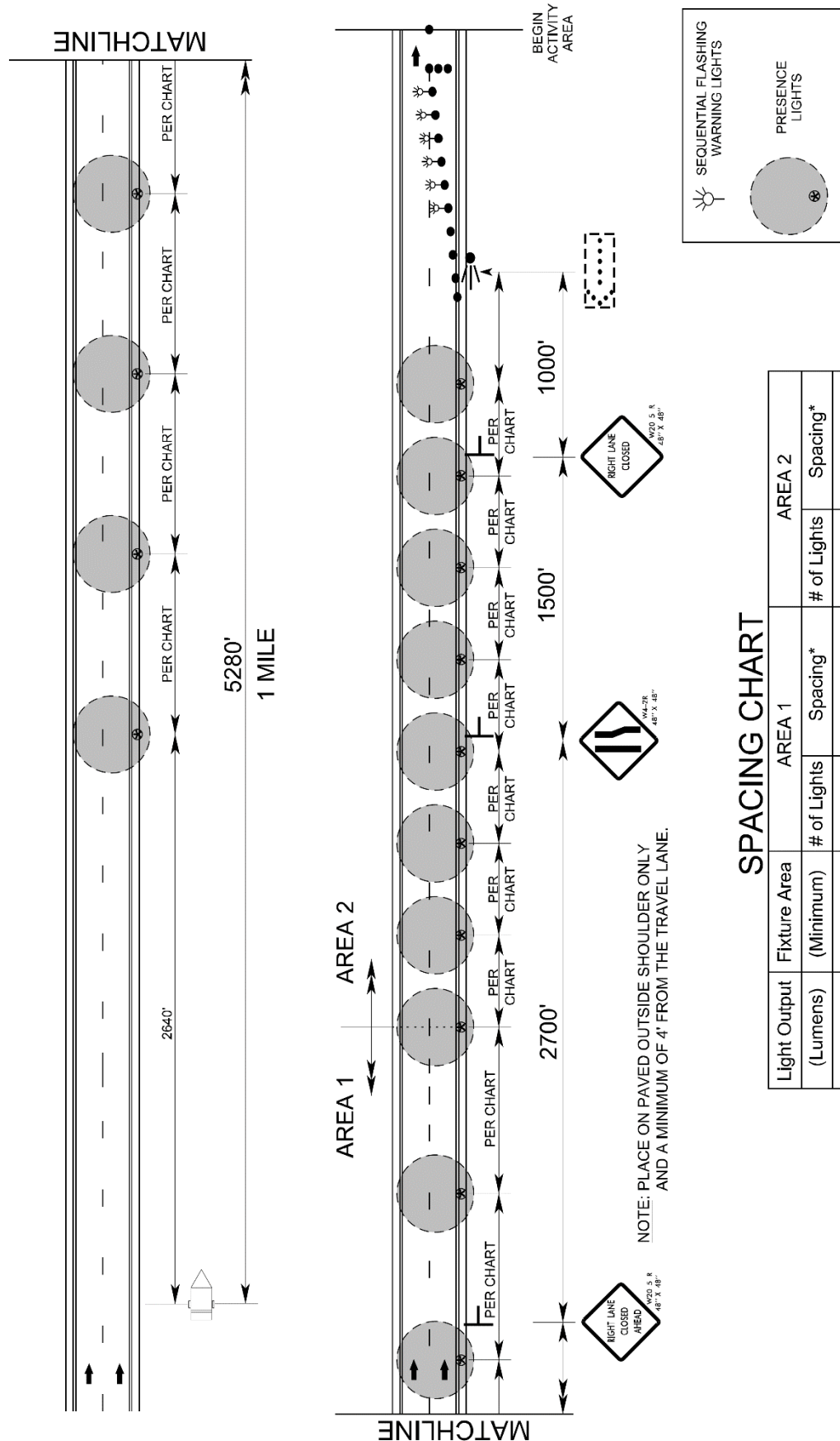
Relocation, replacement, repair, removal, and maintenance of Work Zone Presence Lighting units will be incidental to the work of this section. No measurement or separate payment will be made for power generators, batteries, or other power supply devices.

Pay Item

Work Zone Presence Lighting

Pay Unit

Each



SPACING CHART

Light Output (Lumens)	Fixture Area (Minimum)	AREA 1		AREA 2	
		# of Lights	Spacing*	# of Lights	Spacing*
14K to 35K	4	6	640' (16 skips)	8	480' (12 skips)
35.1K to 60K	5	5	800' (20 skips)	6	640' (16 skips)
60K +	6+	4	1000' (25 skips)	5	800' (20 skips)

*SKIPS REFER TO TRADITIONAL 10' PAVEMENT MARKING LINES WITH 30' GAPS.

AREA 1: BEGINS 2,640' DOWNSTREAM FROM CMS; EXTENDS TO JUST PAST 1ST LANE CLOSURE SIGN

AREA 2: BEGINS JUST PAST THE 1ST LANE CLOSURE SIGN; EXTENDS TO JUST PAST THE LAST LANE CLOSURE SIGN

HIGH VISIBILITY DEVICES

(10/25/2019) (Rev. 5/19/2026)

Description

Furnish and install high visibility devices on all roadways within the project limits with speed limits of 55 mph or higher.

Materials**(A) General**

Use the following high visibility devices for work zone performance applications that are listed on the NCDOT APL.

- (a) Drums
- (b) Skinny Drums
- (c) Work Zone Stationary Signs
- (d) Work Zone Rigid Portable Signs (nighttime use)

All drums and skinny drums shall meet the requirements of Article 1089-5 of the *Standard Specifications* and shall have Grade B flexible, fluorescent orange sheeting that meets the retroreflective requirements of Article 1092-2 of the *Standard Specifications*.

All stationary work zone signs shall meet the requirements of Articles 1089-1 and 1089-2 of the *Standard Specifications*. Legend overlays are prohibited. Vertical sign post reflector strips shall be added to all stationary sign supports. Use Grade B fluorescent orange for work zone sign supports and Grade B fluorescent yellow for exit sign supports. Install sign post reflector strips a minimum of 2" wide, a minimum of 6' long on sign supports with one sign mounted and a minimum of 4.5' long for sign supports with two or more signs mounted vertically.

All portable work zone signs shall meet the requirements of Article 1089-1 and 1089-2 of the *Standard Specifications*. However, roll-up signs are prohibited for night work.

(B) Material Qualifications/Certifications

Provide a Type 3 Material Certification for all materials in accordance with Articles 106-3 and 1087-4 of the *Standard Specifications*.

Construction Methods

Install high visibility devices in accordance with this special provision and the applicable requirements of Section 1110, 1130 and 1180 of the *Standard Specifications*.

Maintenance

Replace any sign or drum that prematurely fails due to any damage or defect that causes it to perform unsatisfactorily with a device of similar quality and age according to the guidelines set forth in the American Traffic Safety Service Association's (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices.

Measurement and Payment

High Visibility Drums will be measured and paid as the maximum number of drums placed and in use at any one time during the life of the project.

High Visibility Skinny Drums will be measured and paid as the maximum number of skinny drums placed and in use at any one time during the life of the project.

High Visibility Stationary Signs will be measured as the actual number of square feet satisfactorily installed at each location and accepted by the Engineer. Where a particular sign is used at more than one location, measurement will be made at each location.

High Visibility Portable Signs will be measured and paid as the actual number of square feet satisfactorily installed and accepted by the Engineer. Payment will be made for the initial installation only. Relocation of signs will be incidental to the measurement of the quantity of High Visibility Portable Signs.

No direct payment will be made for work zone high visibility stationary sign supports or portable sign stands. All work zone high visibility stationary sign supports or portable sign stands will be incidental to the work of providing *High Visibility Stationary Signs* or *High Visibility Portable Signs* respectively. Relocation, replacement, repair, disposal and maintenance of high visibility devices will be incidental to the work of this special provision. Relocation, replacement, repair, disposal or maintenance of ballasts or reflective sheeting will be incidental to the work of this special provision.

Payment will be made under:

Pay Item:

High Visibility Drums
High Visibility Skinny Drums
High Visibility Stationary Signs
High Visibility Portable Signs

Pay Unit

Each
Each
Square Foot
Square Foot

PROJECT SPECIAL PROVISIONS
LIGHTING

1.00 DESCRIPTION

Replace damaged or faulty luminaires and tunnel lighting bracket assemblies and troubleshoot and repair faults within the existing tunnel lighting systems serving the three I-40 tunnels in Haywood County.

Perform all work in conformance with the following: Division 14 of the 2024 *North Carolina Department of Transportation Standard Specifications for Roads and Structures (Standard Specifications)* except as modified or added to by these Special Provisions; the original lighting design plans; and the 2020 *National Electrical Code (NEC)*.

Specific Sections of the *Standard Specifications* applicable to the work on this project are listed below.

Section 1409	Electrical Duct
Section 1410	Feeder Circuits
Section 1411	Electrical Junction Boxes

Install any required bore pits outside the clear zone, as defined in the *AASHTO Roadside Design Guide* or as directed by the Engineer.

2.00 TUNNEL LIGHTING LUMINAIRES**2.10 DESCRIPTION**

The work covered in this section consists of removal of a faulty tunnel lighting luminaire, tightening of the existing bracket attachment mechanism and the installation of a new tunnel lighting luminaire, complete with all light sources and drivers. Tunnel lighting luminaire is installed on a custom fabricated bracket assembly mounted to the interior of the tunnel at approximately 20 ft. in height.

2.20 MATERIALS

To match existing lighting within the tunnels, the tunnel lighting luminaire shall be a Cooper Lighting Streetworks Galleon II with the following part number:

BAA-GLAN-SA4C-740-8-5MQ-AP-20K

Provide blue threadlocker for use on all connecting hardware.

New bracket assemblies are not part of this section.

Provide 2 #12 w/G THHN/THWN conductor from the luminaire to the junction box.

2.30 LUMINAIRE WARRANTY

Provide a minimum ten-year warranty covering maintained integrity and functionality of the luminaire housing, wiring, and connections, LED light source(s) and LED driver. Negligible light output from more than 10 percent of the LED packages, color shifting, or flickering/strobing not related to incoming power issues all constitute luminaire failure.

Warranty period shall begin after project acceptance by the Department. Contractor shall furnish documentation of warranty procedures stating that warranty is for the Department.

2.40 CONSTRUCTION METHODS

Coordinate work with the NCDOT Division 14 Bridge Maintenance Engineer to assure that circuits can be de-energized where and when necessary.

Remove existing faulty luminaire from custom bracket assembly mounted to the interior tunnel walls. Also remove the bracket assembly by removing bracket securing nuts, leveling nuts and washers from threaded rod. Set bracket assembly, bracket securing nuts, leveling nuts and washers to the side. Loosen anchor securing nuts one at a time, apply blue threadlocker to bolt threads and retighten anchor securing nut. Torque anchor securing nut to 40-44 ft-lb. Reinstall leveling nuts, washers, bracket assembly and bracket securing nuts. Use blue threadlocker on each nut to prevent loosening from vibrations. Torque each bracket securing nut to 150 ft-lb.

Remove all existing #12 conductor in the liquid tight flexible metal conduit between the bracket assembly and the 4"x4"x4" junction box and replace with new.

Install new luminaire on the existing bracket assembly using blue threadlocker for each screw or bolt connection. Level and secure each luminaire in all directions. Adjust any luminaires, as directed by the Engineer, to provide optimal illumination distribution.

Dispose of removed luminaire and conductor in a manner acceptable to the Engineer.

All LED packages on the new luminaire must be burning at full brightness with no flickering, strobing or signs of color shifting apparent, at contract completion. If the luminaire or any LED package on the new luminaire displays improper operating characteristics prior to contract completion, the Contractor shall replace the luminaire with another new luminaire at no additional cost to the Department.

2.50 MEASUREMENT AND PAYMENT

The *Tunnel Lighting Luminaire*, measured as provided above, will be paid for at the contract unit price per each Tunnel Lighting Luminaire accepted by the Engineer. Such price and payment will be considered full compensation for removing the faulty luminaire, applying threadlocker to all existing hardware connection points, and providing and installing the new tunnel lighting

luminaire on an existing bracket arm. The removal and replacement of the #12 conductor shall be paid for under Section 5.00 of these Special Provisions.

Payment will be made under:

Pay Item

Tunnel Lighting Luminaire

Pay Unit

Each

3.00 LIGHT STANDARD LIGHT EMITTING DIODE (LED) LUMINAIRE**3.10 DESCRIPTION**

The work covered in this section consists of removal of an existing light standard luminaire and the installation of a new light standard luminaire on a bracket arm assembly, complete with all light sources, drivers, wiring inside standard from circuit conductors to luminaire, in-line breakaway fuseholders and fuses and ground wiring at the pole on light standards less than 55 ft. in height.

Any light standard luminaire submitted for approval must meet the minimum requirements in the table and sections below.

Type	HPS Replacement Equivalent	Color Temp	Min. % of initial output at 70k hours	Min. Maintained Delivered Lumens
185W LED	250W	3500K ±500K	83%	15,500

Third party certified photometric files in IES format are required to be submitted with the catalog cuts for the proposed LED roadway luminaire. Photometric files must show that the proposed luminaire will meet or exceed the design shown in the plans.

The manufacturer shall state the Light Loss Factor (LLF) used in the photometric calculations for the proposed luminaire. LLF shall be calculated as follows:

$$\text{LLF} = \text{Lamp Lumen Depreciation (LLD)} \times \text{Luminaire Dirt Depreciation (LDD)}$$

A. Lamp Lumen Depreciation (LLD) shall be the value calculated and reported by the manufacturer based on the LM-80 and TM-21 reports for the proposed fixture for 70,000 hours at 25° C.

B. Luminaire Dirt Depreciation (LDD) = 0.90

3.20 MATERIALS**3.21 LUMINAIRE REQUIREMENTS****A. General Requirements**

(1) LM-79 photometric test reports shall be provided for all LED luminaires. LM-79 luminaire photometric reports shall be produced by an independent test laboratory and include the following:

- (a) Name of test laboratory. The test laboratory must hold National Voluntary Laboratory Accreditation Program (NVLAP) accreditation for the IES LM-79 test procedure or must be qualified, verified, and recognized through the U.S. Department of Energy's CALiPER program.
 - (b) Report number
 - (c) Date
 - (d) Complete luminaire catalog number. Catalog number tested must match the catalog number of the luminaire submitted, except for variations which do not affect performance.
 - (e) Description of luminaire, LED light source(s), and LED driver(s)
 - (f) Goniophotometry
 - (g) Colorimetry
-
- (2) LM-80 lumen maintenance test report shall be provided for each respective LED light source.
 - (3) Luminaire shall be constructed of a single piece die cast aluminum housing. Each luminaire shall be finished gray in color unless otherwise noted.
 - (4) The luminaire shall have a 7 pin ANSI C136.41 compliant photocontrol receptacle for future expansion capabilities.
 - (5) Provide a summary of reliability testing performed for LED driver.
 - (6) Luminaires maximum total power consumption shall not exceed the values shown in the table above. Nominal luminaire input wattage shall account for nominal applied voltage and any reduction in driver efficiency due to sub-optimal driver loading.
 - (7) Luminaire shall have a maximum Backlight, Uplight & Glare (BUG) rating of 3-0-3 and an IESNA distribution of Type II or Type III as required to meet the spacing, the average maintained footcandle level and the average to minimum uniformity ratio requirements shown on the plans. The same BUG rating and distribution type shall be used throughout the project.
 - (8) Minimum Ingress Protection (IP) dust and moisture ratings for the luminaire electrical components (driver and surge protection) and luminaire optical components shall be IP65 and IP66, respectively, as specified in ANSI C136.25.
 - (9) Luminaire shall have external and internal labels per ANSI C136.15 and ANSI C136.22, respectively. Internal label shall identify the manufacturer, year and month of manufacture and the manufacturer's part number.
 - (10) Luminaire shall have an internal bubble level.
 - (11) Luminaires shall start and operate in -20°C to +40°C ambient.
 - (12) Luminaires shall be rated for continuous service at an ambient temperature of 40°C (104°F)
 - (13) Electrically test fully assembled luminaires before shipment from factory.
 - (14) Effective Projected Area (EPA) and weight of the luminaires shall not exceed 1.4 square feet and 46 lbs.
 - (15) Luminaires shall be designed for ease of electrical component replacement.
 - (16) Luminaires shall be rated for minimum 2G vibration, minimum, per ANSI C136.31.
 - (17) LED light sources and drivers shall be RoHS compliant.

- (18) The luminaire manufacturer shall have no less than five (5) years of experience in manufacturing LED-based lighting products and the manufacturing facility must be ISO 9001 certified.
- (19) Luminaire shall have a 1.25" to 2.0" adjustable tenon mount for connection to luminaire bracket arm assembly.
- (20) Pole hardware, nuts, bolts, and washers, etc. shall be made from 18-8 stainless steel, or steel conforming to ASTM A307 galvanized in accordance with ASTM A153.
- (21) Grommets shall be installed in cable entry holes. Cable entry holes shall be free from sharp edges which might cut conductors or an ungloved hand.
- (22) All conductors inside the luminaire shall be neatly secured with tie-wraps as needed to prevent pinch points and assist in trouble shooting.

B. Driver

- (1) Shall be 0V-10V dimmable.
- (2) Rated case temperature shall be suitable for operation in the luminaire operating in the ambient temperature range of -20°C to +40°C.
- (3) Shall be rated for 480VAC at 50/60 Hz, and shall operate normally for input voltage fluctuations of $\pm 10\%$.
- (4) Shall have a minimum Power Factor (PF) of 0.90 at full input power and across specified voltage range.
- (5) Shall provide UL Class II output.

C. Surge Suppression

- (1) Integral surge protection shall meet ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for location category C-High 10kV/10kA test, IEC 61000-4-2 (Electrostatic Discharge) 8kV Air/4kV Contact test and IEC 61000-4-4 (Fast Transients).

D. Electromagnetic Interference

- (1) Luminaires shall have a maximum Total Harmonic Distortion (THD) of 20% at full input power and across specified voltage range.
- (2) Luminaires shall comply with FCC 47 CFR part 15 non-consumer RFI/EMI standards.

E. Electrical Safety Testing

- (1) Luminaires shall be listed for wet locations.
- (2) Luminaires shall be UL listed and labeled.

F. Finish

- (1) Luminaires shall be painted with a corrosion resistant polyester powdered paint with a minimum 2.0 mil thickness.
- (2) Luminaires shall exceed a rating of six per ASTM D1654 after 1000 hours of salt spray fog testing per ASTM B117.
- (3) The coating shall exhibit no greater than 30% reduction of gloss per ASTM D523, after 500 hours of QUV testing at ASTM G154 Cycle 6.
- (4) Exterior surfaces shall be smooth and free of burrs.

G. Thermal Management

- (1) Mechanical design of protruding external surfaces (heat sink fins) on roadway luminaires shall facilitate hose-down cleaning and discourage debris accumulation.
- (2) Liquids or moving parts will not be allowed for thermal management.

H. Color Quality

- (1) Minimum Color Rendering Index (CRI) of 70 with a Correlated Color Temperature (CCT) of 3000K to 4000K.

I. Optics

- (1) Transmissive optical components shall be applied in accordance with OEM design guidelines to ensure suitability for the thermal/mechanical/chemical environment.

J. ANSI C136.37 Compliance

- (1) All internal components shall be assembled and pre-wired using modular electrical connections.
- (2) Terminal blocks shall be used for incoming AC lines. Terminal blocks shall be easily accessible to installers or repair personnel. Wire nuts are prohibited inside the luminaire housing.

K. Latching and Hinging

- (1) Refractor and housing door holders and hinges shall be designed to maintain positive control of door to the luminaire body so as not to allow the accidental disengagement of either door.
- (2) Drivers shall be mounted to a housing door designed to be opened from the bottom of the luminaire. Housing door shall allow easy removal for troubleshooting/repair on the ground.

L. Manufacturer Support

- (1) Manufacturer or local sales representative shall provide installation and troubleshooting support via telephone and/or email.

Include a shorting cap for each luminaire provided.

Remove existing wiring and breakaway fuseholders inside the light standard. Provide new wiring inside the light standard, new breakaway fuseholders and new fuses meeting Article 1400-2 of the *Standard Specifications*, respectively.

3.30 WARRANTY

Provide a minimum ten-year warranty covering maintained integrity and functionality of the luminaire housing, wiring, and connections, LED light source(s) and LED driver. Negligible light output from more than 10 percent of the LED packages, color shifting, or flickering/strobing not related to incoming power issues all constitute luminaire failure.

Warranty period shall begin after project acceptance by the Department. Supplier shall furnish documentation of warranty procedures to the Contractor stating that warranty is for the Department.

3.40 CONSTRUCTION METHODS

Coordinate work with the NCDOT Division 14 Bridge Maintenance Engineer to assure that circuits can be de-energized where and when necessary.

Remove luminaire from pole arm bracket assembly. Remove all existing wiring and fuseholders within the standard. Dispose of the removed luminaire, wiring and breakaway fuseholders in a manner acceptable to the Engineer.

Install new wiring inside the standard from circuit conductors to luminaire, new in-line breakaway fuseholders and fuses and new ground wiring at the standard.

Install new luminaire on existing bracket arm. Level and secure luminaire in all directions. Adjust any luminaires, as directed by the Engineer, to provide optimal illumination distribution.

All LED packages on all luminaires must be operating normally at contract completion. Any luminaire displaying improper operating characteristics prior to contract completion will be replaced by the Contractor at no additional cost to the Department.

3.50 MEASUREMENT AND PAYMENT

The *Light Standard Luminaire*, measured as provided above, will be paid for at the contract unit price per each Light Standard Luminaires, Type RDW 185W LED accepted by the Engineer. Such price and payment will be considered full compensation for removing and disposing of existing luminaire and wiring within the standard, and providing and installing the new LED light standard luminaire on the bracket arm, wiring inside the standard from the circuit conductors to the LED light standard luminaire, in-line breakaway fuseholders with fuses, ground wiring at the pole of the light standard and a shorting cap.

Payment will be made under:

Pay Item	Pay Unit
Light Standard Luminaires, Type RDW 185W LED	Each

4.00 TUNNEL LUMINAIRE BRACKET ASSEMBLY

4.10 DESCRIPTION

The work covered by this section consists of removing and replacing any failing or damaged luminaire bracket assemblies within the existing lighting systems serving the three I-40 tunnels in Haywood County.

4.20 MATERIALS

Luminaire supports are custom brackets, fabricated from ¼” plate steel and 4” square straight steel pole sections that have a wall thickness of 0.188”. Bracket components are welded together and hot dip galvanized after fabrication. Each bracket will have a ground lug near the removable endcap. Endcap and bracket shall utilize a concealed safety wire strap that prevents the endcap from falling when it is removed from the bracket.

4.30 CONSTRUCTION METHODS

Remove existing luminaire from custom bracket assembly mounted to the interior tunnel walls. Unless the luminaire is faulty or otherwise damaged, the luminaire shall be reused. Remove the damaged or faulty bracket assembly by removing bracket securing nuts, leveling nuts and washers from threaded rod. Set bracket securing nuts, leveling nuts and washers to the side. Loosen anchor securing nuts one at a time, apply blue threadlocker to bolt threads and retighten anchor securing nut. Torque anchor securing nut to 40-44 ft-lb. Reinstall leveling nuts, washers, new bracket assembly and bracket securing nuts. Use blue threadlocker on each nut to prevent loosening from vibrations. Torque each bracket securing nut to 150 ft-lb.

Reinstall removed luminaire on the new bracket assembly using blue threadlocker for each screw or bolt connection. Level and secure each luminaire in all directions. Adjust any luminaires, as directed by the Engineer, to provide optimal illumination distribution.

Dispose of removed bracket assembly in a manner acceptable to the Engineer.

4.40 MEASUREMENT & PAYMENT

The *Tunnel Lighting Bracket Assembly*, measured as provided above, will be paid for at the contract unit price per each Tunnel Lighting Bracket Assembly accepted by the Engineer. Such price and payment will be considered full compensation for removing and disposing of the old bracket assembly, applying threadlocker to all existing hardware connection points, providing and installing the new tunnel lighting bracket assembly and reinstalling the luminaire.

Payment will be made under:

Pay Item	Pay Unit
Tunnel Lighting Bracket Assembly	Each

5.00 TROUBLESHOOT & REPAIR EXISTING LIGHTING SYSTEM

5.10 DESCRIPTION

The work covered by this section consists of finding and repairing faults with the existing lighting systems serving the three I-40 tunnels in Haywood County.

5.20 MATERIALS

Use a Meg Tester, Digital Multi-Meter, and other applicable test equipment and tools for *Fault Troubleshoot and Locate*.

Provide THHN/THWN conductor of the appropriate color for any conductor replaced above finished grade or in the stainless-steel controller enclosures. Refer to the original design plans for correct color coding of conductor. All new wiring shall have colored insulation along its entire length. No circuit may change color at any point except where transitioning to type USE wire at in ground junction boxes.

Refer to Division 14 of the *Standard Specifications* for the following items:

Item	Section
2 #6 w/G Feeder Circuit	1410-2
2 #6 w/G Feeder Circuit in 1.5" Conduit	1410-2
2 #8 w/G Feeder Circuit	1410-2
2 #8 w/G Feeder Circuit in 1.5" Conduit	1410-2
Electrical Junction Boxes (Size & Type)	1411-2
Electrical Duct	1409-2

5.30 CONSTRUCTION METHODS

Troubleshoot and replace faulty electrical circuitry or equipment with new materials to make the existing lighting system fully operational.

Original lighting design plans will be provided to the Contractor to aid in troubleshooting.

Troubleshoot and replace faulty feeder circuit run in conduit on the exterior or interior tunnel wall or within the stainless-steel enclosures. Replacement conductors must be of the same size and color as the faulty conductor. In the case of a faulty circuit run shoulder areas, the Contractor may either replace the conductors inside the existing conduit; or abandon or remove the existing conductors and conduit of the faulty circuit run in accordance with Section 1400-10, and reinstall new conduit and new conductors for the run. Label all new conductors as shown in the plans provided as part of the contract.

All splicing shall be done in accordance with Section 1400-4(F) of the *Standard Specifications*.

Coordinate work with the NCDOT Division 14 Bridge Maintenance Engineer to assure that circuits can be de-energized where and when necessary.

Upon project completion, the lighting system shall be fully operational. All the lights shall be burning at full brightness, with all circuits passing inspections and performance tests.

If existing material is to be reused, the Contractor shall be responsible for the storage and protection of the reused materials against loss or damage.

All removed faulty materials shall be disposed of in a manner acceptable to the Engineer.

5.40 MEASUREMENT AND PAYMENT

Troubleshoot and Repair Existing Lighting System will be measured and paid for at the contract unit bid price of each applicable pay item listed below. Such price and payment will be considered full compensation for troubleshooting, disconnecting circuitry, disassembly, connecting of new circuitry, testing, and all equipment and incidentals necessary to make the existing lighting systems fully operational.

Estimated quantities shown in the "Itemized Proposal" are for obtaining bid prices only. Actual quantities will be paid for as measured below.

Fault Troubleshoot and Locate will be measured and paid for at the contract unit price for the actual number of hours spent in troubleshooting the existing lighting system, to determine the cause of non-functioning equipment that has been accepted by the Engineer.

2 #6 w/G Feeder Circuit will be measured and paid for in accordance with Section 1410-4.

2 #6 w/G Feeder Circuit in 1-1/2" Conduit will be measured and paid for in accordance with Section 1410-4.

2 #8 w/G Feeder Circuit will be measured and paid for in accordance with Section 1410-4.

2 #8 w G Feeder Circuit in 1-1/2" Conduit will be measured and paid for in accordance with Section 1410-4.

1 #6 THHN/THWN Conductor will be measured and paid for at the contract unit price for the actual number of linear feet completed and accepted by the Engineer. Measurement will be rounded up to the nearest whole foot of #6 THHN/THWN conductor of the appropriate color installed within existing conduit on the exterior or interior tunnel walls or within the stainless-steel enclosures. Such price and payment will be considered full compensation for providing and installing the new #6 conductor, labeling of the conductor, as well as removal and disposal of the faulty #6 conductor.

1 #8 THHN/THWN Conductor will be measured and paid for at the contract unit price for the actual number of linear feet completed and accepted by the Engineer. Measurement will be rounded up to the nearest whole foot of #8 THHN/THWN conductor of the appropriate color installed within existing conduit on the exterior or interior tunnel walls or within the stainless-steel enclosures. Such price and payment will be considered full compensation for providing and installing the new #8 conductor, labeling of the conductor, as well as removal and disposal of the faulty #8 conductor.

1 #12 THHN/THWN Conductor will be measured and paid for at the contract unit price for the actual number of linear feet completed and accepted by the Engineer. Measurement will be rounded up to the nearest whole foot of #12 THHN/THWN conductor of the appropriate color installed within existing LFMC between the luminaire and the 4"x4"x4" wall mounted junction

box. Such price and payment will be considered full compensation for providing and installing the new #12 conductor, labeling of the conductor, as well as removal and disposal of the faulty #12 conductor.

Electrical Junction Boxes, (Size & Type) will be measured and paid for in accordance with Section 1411-4.

Electrical Duct, (Size & Type) will be measured and paid for in accordance with Section 1409-4.

Payment will be made under:

Pay Item	Pay Unit
Fault Troubleshoot and Locate	HR
2 #6 w/G Feeder Circuit	LF
2 #6 w/G Feeder Circuit in 1-1/2" Conduit	LF
2 #8 w/G Feeder Circuit	LF
2 #8 w/G Feeder Circuit in 1-1/2" Conduit	LF
1 #6 THHN/THWN Conductor	LF
1 #8 THHN/THWN Conductor	LF
1 #12 THHN/THWN Conductor	LF
Electrical Junction Boxes, (Size & Type)	EA
Electrical Duct, (Size & Type)	LF



DocuSigned by:

Sarah Kirkpatrick

04/28/2026

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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COM

PROJECT SPECIAL PROVISIONS**EROSION CONTROL****CONSTRUCTION MATERIALS MANAGEMENT**

(3-19-19) (rev. 04-27-20)

Description

The requirements set forth shall be adhered to in order to meet the applicable materials handling requirements of the NCG010000 permit. Structural controls installed to manage construction materials stored or used on site shall be shown on the E&SC Plan. Requirements for handling materials on construction sites shall be as follows:

Polyacrylamides (PAMS) and Flocculants

Polyacrylamides (PAMS) and flocculants shall be stored in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures designed to protect adjacent surface waters. PAMS or other flocculants used shall be selected from the NC DWR List of Approved PAMS/Flocculants. The concentration of PAMS and other flocculants used shall not exceed those specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions. The NC DWR List of Approved PAMS/Flocculants is available at:

https://files.nc.gov/ncdeq/Water+Quality/Environmental+Sciences/ATU/PAM8_30_18.pdf

Equipment Fluids

Fuels, lubricants, coolants, and hydraulic fluids, and other petroleum products shall be handled and disposed of in a manner so as not to enter surface or ground waters and in accordance with applicable state and federal regulations. Equipment used on the site must be operated and maintained properly to prevent discharge of fluids. Equipment, vehicle, and other wash waters shall not be discharged into E&SC basins or other E&SC devices. Alternative controls should be provided such that there is no discharge of soaps, solvents, or detergents.

Waste Materials

Construction materials and land clearing waste shall be disposed of in accordance with North Carolina General Statutes, Chapter 130A, Article 9 - Solid Waste Management, and rules governing the disposal of solid waste (15A NCAC 13B). Areas dedicated for managing construction material and land clearing waste shall be at least 50 feet away from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. Paint and other liquid construction material waste shall not be dumped into storm drains. Paint and other liquid construction waste washouts should be located at least 50 feet away from storm drain inlets unless there is no alternative. Other options are to install lined washouts or use portable, removable bags or bins. Hazardous or toxic waste shall be managed in accordance with the federal Resource

Conservation and Recovery Act (RCRA) and NC Hazardous Waste Rules at 15A NCAC, Subchapter 13A. Litter and sanitary waste shall be managed in a manner to prevent it from entering jurisdictional waters and shall be disposed of offsite.

Herbicide, Pesticide, and Rodenticides

Herbicide, pesticide, and rodenticides shall be stored and applied in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act, North Carolina Pesticide Law of 1971 and labeling restrictions.

Concrete Materials

Concrete materials onsite, including excess concrete, must be controlled and managed to avoid contact with surface waters, wetlands or buffers. No concrete or cement slurry shall be discharged from the site. (Note that discharges from onsite concrete plants require coverage under a separate NPDES permit – NCG140000.) Concrete wash water shall be managed in accordance with the *Concrete Washout Structure* provision. Concrete slurry shall be managed and disposed of in accordance with *NCDOT DGS and HOS DCAR Distribution of Class A Residuals Statewide* (Permit No. WQ0035749). Any hardened concrete residue will be disposed of, or recycled on site, in accordance with state solid waste regulations.

Earthen Material Stock Piles

Earthen material stock piles shall be located at least 50 feet away from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available.

Measurement and Payment

Conditions set within the *Construction Materials Management* provision are incidental to the project for which no direct compensation will be made.

WASTE AND BORROW SOURCES:

(2-16-11) (Rev. 3-17-22)

Payment for temporary erosion control measures, except those made necessary by the Contractor's own negligence or for his own convenience, will be paid for at the appropriate contract unit price for the devices or measures utilized in borrow sources and waste areas.

No additional payment will be made for erosion control devices or permanent seeding and mulching in any commercial borrow or waste pit. All erosion and sediment control practices that may be required on a commercial borrow or waste site will be done at the Contractor's expense.

All offsite Staging Areas, Borrow and Waste sites shall be in accordance with "Borrow and Waste Site Reclamation Procedures for Contracted Projects" located at:

<https://connect.ncdot.gov/resources/roadside/FieldOperationsDocuments/Contract%20Reclamation%20Procedures.pdf>

All forms and documents referenced in the "Borrow and Waste Site Reclamation Procedures for Contracted Projects" shall be included with the reclamation plans for offsite staging areas, and borrow and waste sites.

Contract No. **DN12225454**
County Haywood

Rev. 10-31-24

**EXECUTION OF CONTRACT
NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION**

CORPORATION

The Contractor declares (or certifies, verifies, or states) under penalty of perjury under the laws of the United States that neither he, nor any official, agent or employee has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with this Contract, that the Contractor has not been convicted of violating *N.C.G.S. § 133-24* within the last three years, and that the Contractor intends to do the work with its own bona fide employees or subcontractors and did not bid for the benefit of another contractor.

By submitting this Execution of Contract, non-collusion, debarment and gift ban certification, the Contractor is certifying his status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

SIGNATURE OF CONTRACTOR

Haynes Electric Utility, A Division of MB Haynes Corporation

Full name of Corporation

187 Deaverview Rd. Asheville, NC 28806

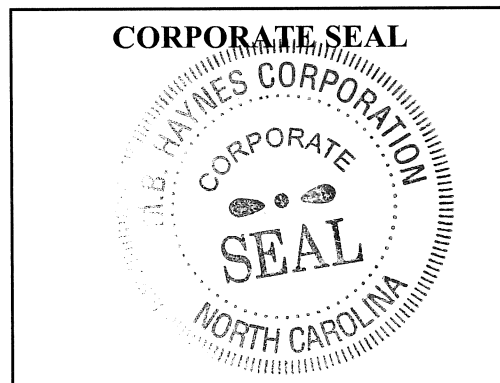
Address as prequalified

Attest Stephanie Schraven
Signature of Secretary Assistant Secretary
Select appropriate title

By Nathaniel D. Taylor
Signature of President, Vice President, Assistant Vice President
Select appropriate title

Stephanie Schraven
Print or type Signer's name

Nathaniel D Taylor
Print or type Signer's name



DEBARMENT CERTIFICATION

Conditions for certification:

1. The prequalified bidder shall provide immediate written notice to the Department if at any time the bidder learns that his certification was erroneous when he submitted his debarment certification or explanation filed with the Department, or has become erroneous because of changed circumstances.
2. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this provision, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. A copy of the Federal Rules requiring this certification and detailing the definitions and coverages may be obtained from the Contract Officer of the Department.
3. The prequalified bidder agrees by submitting this form, that he will not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in NCDOT contracts, unless authorized by the Department.
4. For Federal Aid projects, the prequalified bidder further agrees that by submitting this form he will include the Federal-Aid Provision titled *Required Contract Provisions Federal-Aid Construction Contract (Form FHWA PR 1273)* provided by the Department, without subsequent modification, in all lower tier covered transactions.
5. The prequalified bidder may rely upon a certification of a participant in a lower tier covered transaction that he is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless he knows that the certification is erroneous. The bidder may decide the method and frequency by which he will determine the eligibility of his subcontractors.
6. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this provision. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
7. Except as authorized in paragraph 6 herein, the Department may terminate any contract if the bidder knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available by the Federal Government.

DEBARMENT CERTIFICATION

The prequalified bidder certifies to the best of his knowledge and belief, that he and his principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph b. of this certification; and
- d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- e. Will submit a revised Debarment Certification immediately if his status changes and will show in his bid proposal an explanation for the change in status.

If the prequalified bidder cannot certify that he is not debarred, he shall provide an explanation with this submittal. An explanation will not necessarily result in denial of participation in a contract.

Failure to submit a non-collusion and debarment certification will result in the prequalified bidder's bid being considered non-responsive.

☐

Check here if an explanation is attached to this certification.

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12225454							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Extended Amount
ROADWAY ITEMS							
1	0000915000-N	SP	EMERGENCY MOBILIZATION	6	EA	\$6,000.00	\$36,000.00
2	4402000000-E	SP	HIGH VISIBILITY STATIONARY SIGNS	232	SF	\$40.00	\$9,280.00
3	4407000000-E	SP	HIGH VISIBILITY PORTABLE SIGNS	96	SF	\$50.00	\$4,800.00
4	4420000000-N	1120	CHANGEABLE MESSAGE SIGNS	1	EA	\$2,000.00	\$2,000.00
5	4423000000-N	SP	WORK ZONE DIGITAL SPEED LIMIT SIGNS	5	EA	\$1,000.00	\$5,000.00
6	4424000000-N	SP	WORK ZONE PRESENCE LIGHTING	14	EA	\$15,000.00	\$210,000.00
7	4432000000-N	SP	HIGH VISIBILITY DRUMS	50	EA	\$100.00	\$5,000.00
8	4434000000-N	1140	SEQUENTIAL FLASHING WARNING LIGHTS	12	EA	\$200.00	\$2,400.00
9	4480000000-N	1165	TMA	2	EA	\$5,700.00	\$11,400.00
10	4510000000-N	1190	LAW ENFORCEMENT	540	HR	\$285.00	\$153,900.00
11	4600000000-N	SP	SINGLE LANE CLOSURE	2	EA	\$6,000.00	\$12,000.00
12	4600000000-N	SP	CONNECTED LANE CLOSURE SYSTEM	54	EA	\$1,500.00	\$81,000.00
13	5080000000-N	SP	LIGHT STANDARD LUMINAIRES, TYPE ***** (RDW, 185W LED)	3	EA	\$2,000.00	\$6,000.00
14	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 2")	200	LF	\$75.00	\$15,000.00
15	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 3")	200	LF	\$80.00	\$16,000.00
16	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 4")	200	LF	\$85.00	\$17,000.00
17	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 6")	200	LF	\$95.00	\$19,000.00
18	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	200	LF	\$55.00	\$11,000.00
19	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")	200	LF	\$60.00	\$12,000.00
20	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")	200	LF	\$65.00	\$13,000.00
21	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (6")	200	LF	\$75.00	\$15,000.00
22	5170000000-E	1410	** #8 W/G FEEDER CIRCUIT (2)	100	LF	\$30.00	\$3,000.00
23	5175000000-E	1410	** #6 W/G FEEDER CIRCUIT (2)	100	LF	\$40.00	\$4,000.00
24	5205000000-E	1410	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")	400	LF	\$50.00	\$20,000.00
25	5210000000-E	1410	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")	400	LF	\$60.00	\$24,000.00
26	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG18)	2	EA	\$1,500.00	\$3,000.00
27	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG30)	2	EA	\$1,600.00	\$3,200.00
28	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG36)	2	EA	\$2,500.00	\$5,000.00

29	5265000000-E	SP	1 #6 THHN/THWN CONDUCTOR	500	LF	\$15.00	\$7,500.00
30	5265000000-E	SP	1 #8 THHN/THWN CONDUCTOR	500	LF	\$12.00	\$6,000.00
31	5265000000-E	SP	1 #12 THHN/THWN CONDUCTOR	300	LF	\$10.00	\$3,000.00
32	5270000000-N	SP	TUNNEL LIGHTING LUMINAIRE	60	EA	\$4,500.00	\$270,000.00
33	5270000000-N	SP	TUNNEL LIGHTING BRACKET ASSEMBLY	40	EA	\$5,000.00	\$200,000.00
34	5271000000-N	SP	FAULT TROUBLESHOOT AND LOCATE	80	HR	\$200.00	\$16,000.00
35	0022000000-E	225	UNCLASSIFIED EXCAVATION	10	CY	\$1,000.00	\$10,000.00
Total Amount Of Bid For Entire Project:							\$1,231,480.00

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12225454

Contractor: MB Haynes Corporation DBA Haynes Electric UtilityAddress: 187 Deaverview Road, Asheville, NC 28806Phone: 828-254-6141 Federal ID: 56-0506077Contractor License Number (If Available): U-34507Authorized Agent: Nathaniel D. Taylor Title: Senior VPSignature: Nathaniel D. Taylor Date: 6-23-26

Execution of Contract

Contract No: DN12225454

County: Haywood

ACCEPTED BY THE DEPARTMENT

DocuSigned by:

Jeffrey E. Alopaugh

60F4BFE87A94E1C
Proposals Engineer

07/14/2026

Date

EXECUTION OF CONTRACT AND BONDS
APPROVED AS TO FORM:

DocuSigned by:

Wesley Grindstaff P.E.

5B4FEBB3C7C4BC
Division Engineer

07/14/2026

Date

Signature Sheet (Bid) - ACCEPTANCE SHEET



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/13/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Service of Asheville 408 Executive Park Asheville NC 28802	CONTACT NAME: Karen Pressley PHONE (A/C, No, Ext): 828-253-1668 E-MAIL ADDRESS: certificates@isa-avl.com FAX (A/C, No): 828-258-8164
INSURED M. B. Haynes Corporation See 2nd Page for M. B. Haynes' Divisions P.O. Box 16589 Asheville NC 28816	INSURER(S) AFFORDING COVERAGE INSURER A: National Union Fire Insurance Company of Pittsburg INSURER B: The Cincinnati Insurance Company INSURER C: Navigators Specialty Insurance INSURER D: INSURER E: INSURER F:

COVERAGES**CERTIFICATE NUMBER:** 1957227514**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:	Y		EPP 0594153	3/1/2026	3/1/2027	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY ☒ Uninsured Mo			EBA 0594153	3/1/2026	3/1/2027	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$	Y		EPP 0594153	3/1/2026	3/1/2027	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☒ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC31566254	3/1/2026	3/1/2027	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	2nd Layer Excess Umbrella			GA26EXCZ062FTIC	3/1/2026	3/1/2027	Excess Limit In Excess of \$5,000,000 \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Additional Insured and Waiver of Subrogation Applies to General Liability and Auto When Required by Written Contract. Waiver of Subrogation Applies to Workers Compensation When Required by Written Contract. Umbrella Follows Form. Additional Insured for General Liability & Auto are on a primary non-contributory basis.

3rd Layer Excess Umbrella: Everest Indemnity Insurance Company, 03/01/2026-03/1/2027, Policy #:GB3EX00003261; Excess Limit \$5,000,000 in Excess of \$10,000,000

4th Layer Excess Umbrella: United Specialty Insurance Company, 03/01/2026-03/1/2027, Policy #:BTM2613764; Excess Limit \$5,000,000 in Excess of \$15,000,000

See Attached...

CERTIFICATE HOLDER**CANCELLATION**

NCDOT 14
253 Webster Road
Sylva NC 28779

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Insurance Service of Asheville		NAMED INSURED M. B. Haynes Corporation See 2nd Page for M. B. Haynes' Divisions P.O. Box 16589 Asheville NC 28816	
POLICY NUMBER			
CARRIER	NAIC CODE		
		EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Pollution Coverage: Ironshore Specialty Insurance Company, 3/1/2026-3/1/2027, Policy #: DCP7AADHHSN001, \$2,000,000 Each Pollution Liability Claim, \$50,000 SIR

Professional Liability: Ironshore Specialty Insurance Company, 3/1/2026-3/1/2027, Policy #: DCP7AADHHSN001, \$2,000,000 Each Claim \$50,000 SIR

Total Policy Aggregate for all Professional & Pollution Claims \$4,000,000

Cyber: Hudson Excess Insurance Company, 4/1/2025-4/1/2026, Policy# CYB10794709501, \$2,000,000 Each Claim/\$2,000,000 Aggregate

DN12225454ID-IQ ON-CALL TUNNEL LIGHTING SERVICES HAYWOOD COUNTY MASS CONCRETE ARCH TUNNELS:

#0104, I-40 EAST BOUND LANE, MP 8.28

#0015, I-40 EAST BOUND LANE, MP 4.12

#0017, I-40 WEST BOUND LANE, MP 32.53

NCDOT 14 is additional insured for General Liability & Umbrella when required by written contract.

Additional Named Insureds:

Haynes Electric

Haynes Electric Utility

Haynes Heating and Cooling

Haynes Plumbing

Haynes Technologies

H & M Constructors

Haynes Industrial

Haynes Energy Solutions

Haynes Firestop

Haynes Controls

Haynes Solar

Haynes Construction Group

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTORS ADDITIONAL INSURED - AUTOMATIC STATUS AND AUTOMATIC WAIVER OF SUBROGATION WHEN REQUIRED IN WRITTEN CONTRACT, AGREEMENT, PERMIT OR AUTHORIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. Additional Insured - Owners, Lessees Or Contractors - Automatic Status For Other Parties When Required In Written Contract Or Agreement With You

1. Section II - Who Is An Insured is amended to include as an additional insured any person or organization you have agreed in writing in a contract or agreement to add as an additional insured on this Coverage Part. Such person(s) or organization(s) is an additional insured only with respect to liability for:

a. "Bodily injury", "property damage" or "personal and advertising injury" *caused, in whole or in part, by* the performance of your ongoing operations by you or on your behalf, under that written contract or written agreement. Ongoing operations does not apply to "bodily injury" or "property damage" occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or

(2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project; and

b. "Bodily injury" or "property damage" *caused, in whole or in part, by* "your work" performed under that written contract or written agreement and in-

cluded in the "products-completed operations hazard", but only if:

(1) The Coverage Part to which this endorsement is attached provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard"; and

(2) The written contract or written agreement requires you to provide additional insured coverage included within the "products-completed operations hazard" for that person or organization.

If the written contract or written agreement requires you to provide additional insured coverage included within the "products-completed operations hazard" for a specified length of time for that person or organization, the "bodily injury" or "property damage" must occur prior to the expiration of that period of time in order for this insurance to apply.

If the written contract or written agreement requires you to provide additional insured coverage for a person or organization per only ISO additional insured endorsement form number **CG 20 10**, without specifying an edition date, and without specifically requiring additional insured coverage included within the "products-completed operations hazard", this Paragraph **b.** does not apply to that person or organization.

2. If the written contract or written agreement described in Paragraph **1.** above specifically requires you to provide additional insured coverage to that person or organization:

a. *Arising out of* your ongoing operations or *arising out of* "your work"; or

- b. By way of an edition of an ISO additional insured endorsement that includes *arising out of* your ongoing operations or *arising out of* "your work";

then the phrase *caused, in whole or in part, by* in Paragraph **A.1.a.** and/or Paragraph **A.1.b.** above, whichever applies, is replaced by the phrase *arising out of*.

- 3. With respect to the insurance afforded to the additional insureds described in Paragraph **A.1.**, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

- a. The preparing, approving or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of, or the failure to render, any professional architectural, engineering or surveying services.

- 4. This Paragraph **A.** does not apply to additional insureds described in Paragraph **B.**

B. Additional Insured - State Or Governmental Agency Or Subdivision Or Political Subdivision - Automatic Status When Required In Written Permits Or Authorizations

- 1. **Section II - Who Is An Insured** is amended to include as an additional insured any state or governmental agency or subdivision or political subdivision you have agreed in writing in a permit or authorization to add as an additional insured on this Coverage Part. Such state or governmental agency or subdivision or political subdivision is an additional insured only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued, in writing, a permit or authorization.

- 2. With respect to the insurance afforded to the additional insureds described in Paragraph **B.1.**, the following additional exclusions apply:

This insurance does not apply to:

- a. "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality; or
- b. "Bodily injury" or "property damage" included within the "products-completed operations hazard."

- C. The insurance afforded to additional insureds described in Paragraphs **A.** and **B.**:

- 1. Only applies to the extent permitted by law; and
- 2. Will not be broader than that which you are required by the written contract, written agreement, written permit or written authorization to provide for such additional insured; and
- 3. Does not apply to any person, organization, state, governmental agency or subdivision or political subdivision specifically named as an additional insured for the same project in the schedule of an endorsement added to this Coverage Part.

- D. With respect to the insurance afforded to the additional insureds described in Paragraphs **A.** and **B.**, the following is added to **Section III - Limits Of Insurance**:

The most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the written contract, written agreement, written permit or written authorization described in Paragraphs **A.** and **B.** For the purpose of determining the required amount of insurance only, we will include the minimum amount of any Umbrella Liability or Excess Liability coverage required for that additional insured in that written contract, written agreement, written permit or written authorization; or
- 2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

- E. **Section IV - Commercial General Liability Conditions** is amended to add the following:

Automatic Additional Insured Provision

This insurance applies only if the "bodily injury" or "property damage" occurs, or the "personal and advertising injury" offense is committed:

1. During the policy period; and
2. Subsequent to your execution of the written contract or written agreement, or the issuance of a written permit or written authorization, described in Paragraphs **A.** and **B.**

- F.** Except when **G.** below applies, the following is added to **Section IV - Commercial General Liability Conditions, Other Insurance,** and supersedes any provision to the contrary:

When Other Additional Insured Coverage Applies On An Excess Basis

This insurance is primary to other insurance available to the additional insured described in Paragraphs **A.** and **B.** except:

1. As otherwise provided in **Section IV - Commercial General Liability Conditions, Other Insurance, b. Excess Insurance;** or
2. For any other valid and collectible insurance available to the additional insured as an additional insured on another insurance policy that is written on an excess basis. In such case, this insurance is also excess.

- G.** The following is added to **Section IV - Commercial General Liability Conditions, Other Insurance,** and supersedes any provision to the contrary:

Primary Insurance When Required By Written Contract, Agreement, Permit Or Authorization

Except when wrap-up insurance applies to the claim or "suit" on behalf of the additional insured, this insurance is primary to any other insurance available to the additional insured described in Paragraphs **A.** and **B.** provided that:

1. The additional insured is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract, agreement, permit or authorization de-

scribed in Paragraph **A.** or **B.** that this insurance would be primary to any other insurance available to the additional insured.

As used in this endorsement, wrap-up insurance means a centralized insurance program under which one party has secured either insurance or self-insurance covering some or all of the contractors or subcontractors performing work on one or more specific project(s).

Primary And Noncontributory Insurance When Required By Written Contract, Agreement, Permit Or Authorization

Except when wrap-up insurance applies to the claim or "suit" on behalf of the additional insured, this insurance is primary to and will not seek contribution from any other insurance available to the additional insured described in Paragraphs **A.** and **B.** provided that:

1. The additional insured is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract, agreement, permit or authorization described in Paragraph **A.** or **B.** that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

As used in this endorsement, wrap-up insurance means a centralized insurance program under which one party has secured either insurance or self-insurance covering some or all of the contractors or subcontractors performing work on one or more specific project(s).

- H.** **Section IV - Commercial General Liability Conditions, Transfer Of Rights Of Recovery Against Others To Us** is amended by the addition of the following:

Waiver of Subrogation

We waive any right of recovery against any additional insured under this endorsement, because of any payment we make under this endorsement, to whom the insured has waived its right of recovery in a written contract, written agreement, written permit or written authorization. Such waiver by us applies only to the extent that the insured has waived its right of recovery against such additional insured prior to loss.

COMMERCIAL UMBRELLA LIABILITY COVERAGE FORM

Various provisions in this Coverage Part restrict this insurance. Read the entire Coverage Part carefully to determine rights, duties and what is and is not covered.

Throughout this Coverage Part the words "you" and "your" refer to the Named Insured shown in the Declarations, and any other person or organization qualifying as a Named Insured under this Coverage Part. The words "we", "us" and "our" refer to the Company providing this insurance.

The word "insured" means any person or organization qualifying as such under **SECTION II - WHO IS AN INSURED**.

Other words and phrases that appear in quotation marks have special meaning. Refer to **SECTION V - DEFINITIONS**.

SECTION I - COVERAGE

A. Insuring Agreement

1. We will pay on behalf of the insured the "ultimate net loss" which the insured is legally obligated to pay as damages for "bodily injury", "personal and advertising injury" or "property damage" to which this insurance applies:
 - a. Which is in excess of the "underlying insurance"; or
 - b. Which is either excluded or not insured by "underlying insurance".
2. If any limit of insurance, such as a sublimit, is specified in the "underlying insurance", this insurance does not apply to "bodily injury", "personal and advertising injury" or "property damage" arising out of that exposure unless that limit of insurance is specified in the Schedule of Underlying Insurance.
3. This insurance applies to "bodily injury", "personal and advertising injury" or "property damage" only if:
 - a. The "bodily injury", "personal and advertising injury" or "property damage" is caused by an "occurrence" that takes place in the "coverage territory"; and
 - b. The "bodily injury" or "property damage" occurs during the policy period shown in the Declarations; or
 - c. The "personal and advertising injury" results from an "occurrence" that takes place during the policy period shown in the Declarations; and
- d. Prior to the "coverage term" no insured listed under Paragraph 1. of Section II - Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part, or that the "personal and advertising injury" offense had been committed, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the "coverage term", that the "bodily injury" or "property damage" occurred, or that the "personal and advertising injury" offense had been committed, then any continuation, change or resumption of such "bodily injury", "personal and advertising injury" or "property damage" during or after the "coverage term" will be deemed to have been known prior to the policy period.
4. "Bodily injury" or "property damage" which occurs during the "coverage term" and was not, prior to the "coverage term", known to have occurred by any insured listed under Paragraph 1. of Section II - Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim, includes any continuation, change or resumption of that "bodily injury" or "property damage" after the end of the "coverage term".
5. "Personal and advertising injury" caused by an offense which was committed during the "coverage term" and was not, prior to the "coverage term", known to have been committed by any insured listed under Paragraph 1. of Section II - Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim, includes any continuation, change or resumption of that "personal and advertising injury" offense after the end of the "coverage term".
6. "Bodily injury" or "property damage" will be deemed to have been known to have occurred, or a "personal and advertising injury" offense will be deemed to have been known to have been committed at the earliest time when any insured listed under Paragraph 1. of Section II - Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

- a. Reports all, or any part, of the "bodily injury", "personal and advertising injury" or "property damage" to us or any other insurer;
- b. Receives a written or verbal demand or claim for damages because of the "bodily injury", "personal and advertising injury" or "property damage"; or
- c. Becomes aware by any other means that "bodily injury" or "property damage" had occurred or has begun to occur, or that the "personal and advertising injury" offense had been committed or has begun to be committed.

7. The amount we will pay for damages is limited as described in **SECTION III - LIMITS OF INSURANCE.**

No other obligation or liability to pay sums or perform acts or services is covered, unless expressly provided for under **SECTION I - COVERAGE, C. Defense and Supplementary Payments.**

B. Exclusions

This insurance does not apply to:

1. Asbestos

Any liability arising out of, attributable to or any way related to asbestos in any form or transmitted in any manner.

2. Breach of Contract, Failure to Perform, Wrong Description and Violation of Another's Rights

"Personal and advertising injury":

- a. Arising out of breach of contract, except an implied contract to use another's advertising idea in your "advertisement";
- b. Arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement";
- c. Arising out of the wrong description of the price of goods, products or services stated in your "advertisement"; or
- d. Caused by or at the direction of the insured with the knowledge that the act would violate the rights of another and would inflict "personal and advertising injury".

3. Contractual Liability

Any liability for which the insured is obligated to pay damages by reason of the

assumption of liability in a contract or agreement. This exclusion does not apply to liability for "bodily injury", "personal and advertising injury" or "property damage":

- a. That the insured would have in the absence of the contract or agreement; or
- b. Assumed in a contract or agreement that is an "insured contract", provided the "bodily injury", "personal and advertising injury" or "property damage" occurs subsequent to the execution of the contract or agreement.

4. Damage to Impaired Property or Property Not Physically Injured

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

- a. A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or
- b. A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "your product" or "your work" after it has been put to its intended use.

5. Damage to Property

"Property damage" to:

- a. Property:
 - (1) You own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property; or
 - (2) Owned or transported by the insured and arising out of the ownership, maintenance or use of an "auto".
- b. Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises;
- c. Property loaned to you;
- d. Personal property in the care, custody or control of the insured;

- e. That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations, if the "property damage" arises out of those operations; or
- f. That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it.

Paragraph **b.** of this exclusion does not apply if the premises are "your work" and were never occupied, rented or held for rental by you.

Paragraphs **a.(2), c., d., e.** and **f.** of this exclusion do not apply to liability assumed under a sidetrack agreement.

Paragraphs **c.** and **d.** of this exclusion do not apply to liability assumed under a written Trailer Interchange agreement.

Paragraph **f.** of this exclusion does not apply to "property damage" included in the "products-completed operations hazard".

6. Damage to Your Product

"Property damage" to "your product" arising out of it or any part of it.

7. Damage to Your Work

"Property damage" to "your work" arising out of it or any part of it and included in the "products-completed operations hazard".

This exclusion does not apply if the damaged work or the work out of which the damage arises was performed on your behalf by a subcontractor.

8. Distribution or Recording of Material or Information in Violation of Law

Any liability arising directly or indirectly out of any action or omission that violates or is alleged to violate:

- a. The Telephone Consumer Protection Act (TCPA), including any amendment of or addition to such law;
- b. The CAN-SPAM Act of 2003, including any amendment of or addition to such law;
- c. The Fair Credit Reporting Act (FCRA), and any amendment of or addition to such law, including the Fair and Accurate Credit Transaction Act (FACTA); or
- d. Any federal, state or local statute, ordinance or regulation, other than the

TCPA, CAN-SPAM Act of 2003 or FCRA and their amendments and additions, that addresses, prohibits or limits the printing, dissemination, disposal, collecting, recording, sending, transmitting, communicating or distribution of material or information.

9. Electronic Chatrooms or Bulletin Boards

"Personal and advertising injury" arising out of an electronic chatroom or bulletin board the insured hosts, owns, or over which the insured exercises control.

10. Electronic Data

Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data".

However, this exclusion does not apply:

- (1) To liability for damages because of "bodily injury"; or
- (2) When such insurance is provided by valid and collectible "underlying insurance" listed in the Schedule of Underlying Insurance, or would have been provided by such listed "underlying insurance" except for the exhaustion by payment of claims of its limits of insurance, and then only for such hazards for which coverage is provided by such "underlying insurance", unless otherwise excluded by this Coverage Part.

11. Employer's Liability Limitation

Any liability arising from any injury to:

- a. An "employee" of the insured sustained in the "workplace";
- b. An "employee" of the insured arising out of the performance of duties related to the conduct of the insured's business; or
- c. The spouse, child, parent, brother or sister of that "employee" as a consequence of **a.** or **b.** above.

This exclusion applies:

- a. Whether the insured may be liable as an employer or in any other capacity; and
- b. To any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply when such insurance is provided by valid and collectible "underlying insurance" listed in the Schedule of Underlying Insurance, or would have been provided by such listed "underlying insurance" except for the exhaustion by payment of claims of its limits of insurance, and then only for such hazards for which coverage is provided by such "underlying insurance", unless otherwise excluded by this Coverage Part.

12. Employment-Related Practices

Any liability arising from any injury to:

- a. A person arising out of any:
 - (1) Refusal to employ that person;
 - (2) Termination of that person's employment; or
 - (3) Other employment-related practices, policies, acts or omissions including but not limited to coercion, criticism, demotion, evaluation, failure to promote, reassignment, discipline, defamation, harassment, humiliation, discrimination or malicious prosecution directed at that person; or
- b. The spouse, child, parent, brother or sister of that person as a consequence of any injury to that person at whom any of the employment-related practices described in Paragraphs **12.a.(1), (2), or (3)** above is directed.

This exclusion applies:

- a. Whether the injury-causing event described in Paragraphs **12.a.(1), (2), or (3)** above occurs before employment, during employment or after employment of that person;
- b. Whether the insured may be liable as an employer or in any other capacity; and
- c. To any obligation to share damages with or repay someone else who must pay damages because of the injury.

13. Expected or Intended Injury

"Bodily injury" or "property damage" which may reasonably be expected to result from the intentional or criminal acts of the insured or which is in fact expected or intended by the insured, even if the injury or damage is of a different degree or type than actually intended or expected.

However, this exclusion does not apply to:

- a. "Bodily injury" resulting from the use of reasonable force to protect persons or property; or
- b. "Bodily injury" or "property damage" resulting from the use of reasonable force to prevent or eliminate danger in the operation of "autos" or watercraft.

14. Falsity, Prior Publication, Criminal Act and Media and Internet Type Businesses

"Personal and advertising injury":

- a. Arising out of oral or written publication in any manner of material, if done by or at the direction of the insured with knowledge of its falsity;
- b. Arising out of oral or written publication in any manner of material whose first publication took place before the later of the following:
 - (1) The inception of this Coverage Part; or
 - (2) The "coverage term" in which insurance coverage is sought;
- c. Arising out of a criminal act committed by or at the direction of the insured; or
- d. Committed by an insured whose business is:
 - (1) Advertising, broadcasting, publishing or telecasting;
 - (2) Designing or determining content of websites for others; or
 - (3) An Internet search, access, content or service provider.

However, Paragraph **d.** does not apply to Paragraphs **17.a., b., c., d.** and **i.** of "personal and advertising injury" under **SECTION V - DEFINITIONS.**

For the purposes of Paragraph **d.**, the placing of frames, borders or links, or advertising, for you or others anywhere on the Internet, is not by itself, considered the business of advertising, broadcasting, publishing or telecasting.

15. Infringement of Copyright, Patent, Trademark or Trade Secret

"Personal and advertising injury" arising out of the infringement of copyright, patent, trademark, trade secret or other intellectual property rights. Under this exclusion, such other intellectual property

rights do not include the use of another's advertising idea in your "advertisement".

However, this exclusion does not apply to infringement in your "advertisement", of copyright, trade dress or slogan.

16. Pollutant - Auto

a. "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release, emission or escape of "pollutants":

(1) That are, or that are contained in any property that is:

(a) Being transported or towed by, handled, or handled for movement into, onto or from, an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion;

(b) Otherwise in the course of transit by or on behalf of the insured; or

(c) Being stored, disposed of, treated or processed in or upon an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion;

(2) Before the "pollutants" or any property in which the "pollutants" are contained are moved from the place where they are accepted by the insured for movement into or onto an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion; or

(3) After the "pollutants" or any property in which the "pollutants" are contained are moved from an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion to the place where they are finally delivered, disposed of or abandoned by the insured.

Paragraph (1) above does not apply to "bodily injury" or "property damage" arising from fuels, lubricants, or other operating fluids, exhaust gases or other similar "pollutants" that are needed for or result from the normal

electrical, hydraulic or mechanical functioning of an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion or its parts, if:

(a) The "pollutants" escape, seep, migrate, or are discharged, dispersed or released directly from an "auto" part designed by its manufacturer to hold, store, receive or dispose of such "pollutants"; and

(b) The "bodily injury" or "property damage" does not arise out of the operation of any equipment listed in Paragraphs f.(2) and (3) of the definition of "mobile equipment".

However, this exception to Paragraph (1) does not apply if the fuels, lubricants, or other operating fluids, exhaust gases or other similar "pollutants" are intentionally discharged, dispersed, emitted or released.

Paragraphs (2) and (3) above do not apply to an "occurrence" that occurs away from premises owned by or rented to an insured with respect to "pollutants" not in or upon an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion if:

(a) The "pollutants" or any property in which the "pollutants" are contained are upset, overturned or damaged as a result of the maintenance or use of an "auto" that an insured owns, hires, borrows, rents, leases, or that is operated on their behalf in any other fashion; and

(b) The discharge, dispersal, seepage, migration, release, emission or escape of the "pollutants" is caused directly by such upset, overturn or damage.

b. Any liability caused by "pollutants" and arising from the operation, maintenance, use, "loading or unloading" of an "auto", for which insurance coverage is excluded by "underlying insurance".

17. Pollutant - Other Than Auto

a. "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal,

seepage, migration, release, emission or escape of "pollutants":

- (1) At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured.

However, Paragraph **a.(1)** of this exclusion does not apply to the following if such liability is covered by "underlying insurance" listed in the Schedule of Underlying Insurance, but only to the extent insurance is provided at the "underlying limit" specified in the Schedule of Underlying Insurance for the "underlying insurance" listed and subject to all its terms, limitations and conditions:

- (a) "Bodily injury", if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or equipment that is used to heat water for personal use by the building's occupants or their guests;
- (b) "Bodily injury" or "property damage" for which you may be held liable, if you are a contractor, and the owner or lessee of such premises, site or location has been added to your "underlying insurance" as an additional insured with respect to your ongoing operations or "your work" performed for that additional insured at that premises, site or location and such premises, site or location is not and never was owned or occupied by, or rented or loaned to, any insured, other than that additional insured; or
- (c) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";
- (2) At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;

- (3) Which are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for any insured or any person or organization for whom you may be legally responsible;

- (4) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations, if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor.

However, Paragraph **a.(4)** of this exclusion does not apply to the following if such liability is covered by "underlying insurance" listed in the Schedule of Underlying Insurance, but only to the extent insurance is provided at the "underlying limit" specified in the Schedule of Underlying Insurance for the "underlying insurance" listed and subject to all its terms, limitations and conditions:

- (a) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;

- (b) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by you or on your behalf by a contractor or subcontractor; or
 - (c) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire"; or
- (5) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations, if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to or assess the effects of, "pollutants".
- b. "Personal and advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release, escape or emission of "pollutants" at any time.
 - c. Any loss, cost or expense arising out of any:
 - (1) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
 - (2) Claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

However, this Paragraph c. does not apply to liability for damages because of "property damage" that the insured would have in the absence of such request, demand, order or statutory or regulatory requirement, or such claim or "suit" by or on behalf of a governmental authority.

- d. Any liability caused by "pollutants", for which insurance coverage is excluded by "underlying insurance".

18. Recall of Products, Work or Impaired Property

Any liability or damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- a. "Your product";
- b. "Your work"; or
- c. "Impaired Property";

if such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

19. Unauthorized Use of Another's Name or Product

"Personal and advertising injury" arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatag or any other similar tactics to mislead another's potential customers.

20. War

Any liability, however caused, arising directly or indirectly, out of:

- a. War, including undeclared or civil war;
- b. Warlike action by a military force, including action in hindering or defending against an actual or expected attack by any government, sovereign or authority using military personnel or other agents; or
- c. Insurrection, rebellion, revolution, usurped power or action taken by governmental authority in hindering or defending against any of these.

21. Workers' Compensation

Any liability or obligation of the insured under any workers' compensation, unemployment compensation, disability benefits or similar law. However, this exclusion does not apply to liability of others assumed by you under an "insured contract" in existence at the time of "occurrence".

C. Defense and Supplementary Payments

- 1. We will have the right and duty to defend the insured against any "suit" seeking

damages because of "bodily injury", "personal and advertising injury" or "property damage" to which this insurance applies. We will have no duty to defend the insured against any "suit" seeking damages for "bodily injury", "personal and advertising injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result when:

- a. The applicable limits of the "underlying insurance" and any other insurance have been exhausted by payment of claims; or
 - b. Damages are sought for "bodily injury", "personal and advertising injury" or "property damage" which are not covered by "underlying insurance" or other insurance.
2. Our right and duty to defend ends when the applicable Limit of Insurance, as stated in the Declarations, has been exhausted by payment of claims.
 3. We have no duty to investigate, settle or defend any claim or "suit" other than those circumstances described in Paragraph **C.1**. However, we do have the right to participate in the investigation, settlement or defense of any claim or "suit" to which this insurance applies. If we exercise this right, we will do so at our expense.
 4. If there is no underlying insurer or other insurance obligated to do so, we will pay the following when we provide a defense:
 - a. All expenses we incur.
 - b. The cost of bail bonds up to \$3,000 (including bonds for related traffic law violations) required because of an "occurrence" we cover. We do not have to furnish these bonds.
 - c. The cost of bonds to appeal a judgment or award in any claim or "suit" we defend and the cost of bonds to release attachments, but only for bond amounts within the applicable Limits of Insurance. We do not have to furnish these bonds.
 - d. Reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including the actual loss of earnings.
 - e. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys'

fees or attorneys' expenses taxed against the insured.

5. If there is no underlying insurer obligated to do so, we will pay the following for an "occurrence" to which this insurance applies, even if we have no duty to provide a defense:
 - a. Prejudgment interest awarded against the insured on that part of the judgment we become obligated to pay and which falls within the applicable Limit of Insurance. If we make an offer to pay the applicable Limits of Insurance, we will not pay any prejudgment interest based on the period of time after the offer.
 - b. All interest awarded against the insured on the full amount of any judgment that accrues:
 - (1) After entry of the judgment; and
 - (2) Before we have paid, offered to pay or deposited in court the part of the judgment that is within the applicable Limit of Insurance.
6. The payments described in Paragraphs **4**. and **5**. above will not reduce the Limits of Insurance provided by this Coverage Part when defense or supplementary payments provided by the "underlying insurance" do not reduce their Limits of Insurance. However, when defense or supplementary payments provided by the "underlying insurance" reduce their Limits of Insurance then such expense payments paid by us will reduce the Limits of Insurance provided by this Coverage Part.
7. If we are prevented by law or otherwise from carrying out any of the provisions of **SECTION I - COVERAGE, C. Defense and Supplementary Payments**, we will pay any expense incurred with our written consent.

SECTION II - WHO IS AN INSURED

1. Except for liability arising out of the ownership, maintenance, occupancy or use of an "auto":
 - a. If you are designated in the Declarations as:
 - (1) An individual, you and your spouse are insureds, but only with respect to the conduct of a business of which you are the sole owner.
 - (2) A partnership or joint venture, you are an insured. Your members, partners and their spouses are also insureds, but only with respect to the conduct of your business.

- (3) A limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers.
 - (4) An organization other than a partnership, joint venture, or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders. Each of the following is also a Named Insured:
 - (a) Any "subsidiary" company of such organization, including any "subsidiary" of such "subsidiary":
 - 1) Existing at the inception of this Coverage Part; or
 - 2) Formed or acquired on or after the inception of this Coverage Part.
 - (b) Any other company controlled and actively managed by such organization or any "subsidiary" thereof:
 - 1) At the inception of this Coverage Part; or
 - 2) If the control and active management thereof is acquired on or after the inception of this Coverage Part.
 - (5) A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.
- b.** Each of the following is also an insured:
- (1) Any "employee" of yours while acting within the scope of their duties as such.
 - (2) Any person or organization while acting as your real estate manager.
 - (3) Any person or organization having proper temporary custody of your property if you die, but only:
 - (a) With respect to liability arising out of the maintenance or use of that property; and
 - (b) Until your legal representative has been appointed.
 - (4) Your legal representative if you die, but only with respect to duties as such.
- 2.** Only with respect to liability arising out of the ownership, maintenance, occupancy or use of an "auto":
- a.** You are an insured.
 - b.** Anyone else while using with your permission an "auto" you own, hire or borrow is also an insured except:
 - (1) The owner or any other person or organization (except your "executive officers" or principals) from whom you hire or borrow an "auto", unless such persons or organizations are insureds in your "underlying insurance" listed in the Schedule of Underlying Insurance, and then only for such hazards for which coverage is provided by such "underlying insurance". This exception does not apply if the "auto" is a trailer or semi-trailer connected to an "auto" you own.
 - (2) Your "employee", if the "auto" is owned by that "employee" or a member of his or her household, unless:
 - (a) Such "employee" is an insured with respect to that "auto" in the "underlying insurance" listed in the Schedule of Underlying Insurance, and then only for such hazards for which coverage is provided by such "underlying insurance"; or
 - (b) The "bodily injury" or "property damage" is sustained by a co-"employee" of such "employee".
 - (3) Someone using an "auto" while he or she is working in a business of selling, servicing, repairing, parking or storing "autos", unless that business is yours.
 - (4) Anyone other than your "employees", partners (if you are a partnership), members (if you are a limited liability company), or a lessee or borrower or any of their "employees", while moving property to or from an "auto".
 - c.** Anyone liable for the conduct of an insured described in Paragraphs **2.a.** and **b.** above is also an insured, but only if they are provided insurance coverage for such liability by valid and collectible "underlying insurance" listed in the Schedule of Underlying Insurance and then only for such hazards for which coverage is provided by such "underlying insurance".

3. At your option and subject to the terms and conditions of this insurance, any other person or organization not addressed by Paragraphs 1. and 2. above, but covered in the "underlying insurance" listed in the Schedule of Underlying Insurance are also insureds, but only to the extent that insurance is provided for such person or organization by the "underlying insurance".

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture, or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III - LIMITS OF INSURANCE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

- a. Insureds;
- b. Claims made, "suits" brought or number of vehicles involved or insured; or
- c. Persons or organizations making claims or bringing "suits".

2. The Aggregate Limit is the most we will pay for all damages:

- a. Included in the "products-completed operations hazard";
- b. Because of "bodily injury" by disease sustained by your "employees" arising out of and in the course of their employment by you; or
- c. Because of "bodily injury", "personal and advertising injury" or "property damage" not included within a. or b. above. However, this Aggregate Limit will not apply to damages which are not subject to an Aggregate Limit in the "underlying insurance".

The Aggregate Limit applies separately to a., b. and c. The Aggregate Limit described in c. will apply only to damages not subject to a. or b. above.

3. Subject to the Limit of Insurance described in 2.c. above:

- a. Only in the event that "underlying insurance" specifically listed in the Schedule of Underlying Insurance provides an annual Aggregate Limit of Insurance for damages that would not be subject to 2.a. or b. above that is applicable separately to each:

- (1) Location owned by, or rented or leased to you solely with respect to damages which are the result of a claim or "suit" for "bodily injury" or "property damage" which can be at-

tributed to operations at only a single location, then the Aggregate Limit described in 2.c. above applies separately to each location owned by, or rented or leased to you.

- (2) Of your construction projects solely with respect to damages which are the result of a claim or "suit" for "bodily injury" or "property damage" which can be attributed only to ongoing operations and only at a single construction project, then the Aggregate Limit described in 2.c. above applies separately to each of your construction projects.

- b. Only with respect to the application of Limits of Insurance described in 3.a. above, the following terms location and construction project will have the following meanings:

- (1) Location means premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad.

- (2) Construction project means a location you do not own, rent or lease where ongoing improvements, alterations, installation, demolition or maintenance work is performed by you or on your behalf. All connected ongoing improvements, alterations, installation, demolition or maintenance work performed by you or on your behalf at the same location for the same persons or entities, no matter how often or under how many different contracts, will be deemed to be a single construction project.

4. Subject to the limits described in 2. and 3. above, the Each Occurrence Limit is the most we will pay for the "ultimate net loss":

- a. In excess of the applicable limits of "underlying insurance"; or
- b. If an "occurrence" is not covered by "underlying insurance", but covered by the terms and conditions of this Coverage Part,

for all "bodily injury", "personal and advertising injury" and "property damage" arising out of any one "occurrence".

We will not pay more than the Limit of Insurance shown in this Coverage Part's Declarations for each "occurrence" because any Personal Umbrella Liability Policy(ies) is/are attached to this policy.

5. Subject to, and included within, the Limit of Insurance described in **4.** above, we will not pay more than the limit of insurance required for the layer of insurance provided by this Coverage Part on behalf of:
 - a. An additional insured, as set forth in **SECTION II – WHO IS AN INSURED, Paragraph 3;** or
 - b. A party you have agreed to indemnify in an "insured contract".
6. Subject to the limits described in **2., 3., 4.** and **5.** above and to the terms and conditions of the "underlying insurance":
 - a. If the limits of "underlying insurance" have been reduced by payment of claims, this Coverage Part will continue in force as excess of the reduced "underlying insurance"; or
 - b. If the limits of "underlying insurance" have been exhausted by payment of claims, this Coverage Part will continue in force as "underlying insurance".
7. The Limits of Insurance of this Coverage Part apply separately to each "coverage term".

SECTION IV - CONDITIONS

1. Appeals

If the insured or any insurer who provides the applicable "underlying insurance" elects not to appeal a judgment which exceeds the "underlying limit", we may elect to do so at our own expense. We shall be liable for the taxable costs and disbursements and interest incidental thereto, but in no event shall this provision increase our liability beyond:

- a. Our applicable Limits of Insurance for all "ultimate net loss";
- b. Our applicable Defense and Supplementary Payments as described in **SECTION I - COVERAGE, C. Defense and Supplementary Payments;** and
- c. The expense of such appeal.

2. Audit

If this Coverage Part is subject to Audit, as indicated in the Declarations, then the following Condition applies:

- a. The premium shown in the Premium Computation Endorsement as Advance Premium is a deposit premium. At the close of each audit period, we will compute the earned premium for that period. If:

- (1) The earned premium is less than the deposit premium, we will return the excess to the first Named Insured; or
- (2) The earned premium is greater than the deposit premium, the difference will be due and payable to us by the first Named Insured upon notice from us. The due date for audit and retrospective premiums is the date shown as the due date on the bill.

However, in no event will the earned premium be less than the Minimum Premium stated in the Premium Computation Endorsement.

- b. The first Named Insured must keep records of the information we need for premium computation and send us copies at such times as we may request.

3. Bankruptcy

Bankruptcy or insolvency of the insured or the insured's estate shall not relieve us of any obligations under this Coverage Part.

4. Duties in the Event of Occurrence, Claim or Suit

- a. You must see to it that we are notified as soon as practicable of an "occurrence" which may result in a claim or "suit". To the extent possible, notice should include:

- (1) How, when and where the "occurrence" took place;
- (2) The names and addresses of any injured persons and witnesses; and
- (3) The nature and location of any injury or damage arising out of the "occurrence".

This requirement applies only when the "occurrence" is known to an "authorized representative".

- b. If a claim is made or "suit" is brought against any insured you must:
 - (1) Immediately record the specifics of the claim or "suit" and the date received; and

- (2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.

This requirement will not be considered breached unless the breach occurs after such claim or "suit" is known to an "authorized representative".

c. You and any other involved insured must:

- (1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
- (2) Authorize us to obtain records and other information;
- (3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and
- (4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

5. First Named Insured

The person or organization first named in the Declarations will act on behalf of all other insureds where indicated in this Coverage Part.

6. Legal Action Against Us and Loss Payments

- a. No legal action may be brought against us unless there has been full compliance with all the terms of this Coverage Part nor until the amount of the insured's obligation to pay has been finally determined as provided below. No person or organization has any right under this Coverage Part to bring us into any action to determine the liability of the insured.
- b. We shall be liable for payment of the "ultimate net loss" for any "occurrence" to which this Coverage Part applies:
 - (1) For "occurrences" not covered by "underlying insurance"; or
 - (2) In excess of the "underlying limit" applicable to the "occurrence" only after the insurers who provide the applicable "underlying insurance" have paid or become obligated to pay the amount of the "underlying limit" applicable to the "occurrence".

Our payment will be made following final determination of the amount of the insured's obligation to pay either by final judgment against the insured or by written agreement with the insured, the claimant, the underlying insurers and us.

7. Liberalization

If, within 60 days prior to the beginning of this Coverage Part or during the policy period, we make any changes to any forms or endorsements of this Coverage Part for which there is currently no separate premium charge, and that change provides more coverage than this Coverage Part, the change will automatically apply to this Coverage Part at the latter of:

- a. The date we implemented the change in your state; or
- b. The date this Coverage Part became effective; and

will be considered as included until the end of the current policy period. We will make no additional premium charge for this additional coverage during the interim.

8. Maintenance of Underlying Insurance

- a. While this Coverage Part is in effect, the insured shall maintain in force the "underlying insurance" listed in the Schedule of Underlying Insurance as collectible insurance. The terms, conditions and endorsements of "underlying insurance" will not materially change and renewals or replacements of "underlying insurance" will not be more restrictive in coverage.
- b. Limits of "underlying insurance" will not be reduced, except for any reduction or exhaustion in the aggregate limits of insurance due to payment of claims which are in accordance with **SECTION I - COVERAGE, A. Insuring Agreement**, Paragraph 2. of this Coverage Part.
- c. In the event you fail or neglect to maintain "underlying insurance" as required, this Coverage Part will apply as though such "underlying insurance" was in force and collectible at the time a claim is presented to us which is in accordance with **SECTION I - COVERAGE, A. Insuring Agreement**, Paragraph 2. of this Coverage Part.
- d. The limits of "underlying insurance" shall be deemed applicable, regardless of any defense which the insurer who provides the "underlying insurance" may assert because of the insured's failure to comply with any Condition of the policy or the inability of the insurer to pay by reason of bankruptcy or insolvency.
- e. You must notify us in writing as soon as practicable when any "underlying insurance" is no longer in effect or the limits or scope of coverage of any "underlying insurance" is changed.

9. Other Insurance

- a. This insurance is excess over, and shall not contribute with any other insurance, whether primary, excess, contingent or on any other basis. This condition will not apply to insurance specifically written as excess over this Coverage Part.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends and coverage is otherwise applicable, we will have the right, but not the duty to undertake to do so, provided that whomever we agree to defend and the Named Insured assign their rights to us under the policies of the insurers who did not defend. Such assignment must be in writing.

- b. When this insurance is excess over other insurance, we will pay only our share of the "ultimate net loss" that exceeds the sum of:
 - (1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
 - (2) The total of all deductible and self-insured amounts under all that other insurance.

10. Premium

The premium for this Coverage Part shall be as stated in the Declarations. The advance and anniversary premiums are not subject to adjustment, except as stated in the Declarations, or as stated in an endorsement issued by us to form a part of this Coverage Part.

You shall maintain records of such information as is necessary for premium computation, and shall, if requested by us, send copies of such records to us at the end of the "coverage term" and at such times during the policy period as we may direct.

11. Representations

- a. By acceptance of this Coverage Part, you agree that the statements in the Declarations are your agreements and representations, that this Coverage Part is issued in reliance upon the truth of such representations and that this Coverage Part embodies all agreements existing between you and us or any of our agents relating to this insurance.
- b. However, to the extent that the following applies in the "underlying insurance" listed specifically in the Schedule of Underlying Insurance, it will also apply to this Coverage Part:

Based on our reliance upon your representations as to existing hazards, if unintentionally you should fail to disclose all such hazards at the inception date of this Coverage Part, we will not reject coverage under this Coverage Part based solely on such failure.

12. Separation of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

13. Transfer of Rights of Recovery Against Others to Us

- a. If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.
- b. Any recoveries shall be applied as follows:
 - (1) First, we will reimburse anyone, including the insured, the amounts actually paid by them that were in excess of our payments;
 - (2) Next, we will be reimbursed to the extent of our actual payment; and
 - (3) Lastly, any amounts left after meeting the obligations outlined in (1) and (2) above will be distributed to anyone else known to us at the time a recovery is made and who is legally entitled to such recovery.

Expenses incurred in the recovery shall be apportioned among all interests in the ratio of their respective recoveries as finally settled. If there is no recovery as a result of our attempts, we shall bear all of the recovery expenses.

- c. If prior to an "occurrence" to which this Coverage Part would apply, you and the issuer of your applicable "underlying insurance" listed specifically in the Schedule of Underlying Insurance waive any right of recovery against a person or organization for injury or damage, we will also waive any rights we may have against such person or organization.

14. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V - DEFINITIONS

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. "Advertisement" includes a publicity article. For the purposes of this definition:
 - a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an "advertisement".
2. "Authorized representative" means:
 - a. If you are:
 - (1) An individual, you and your spouse are "authorized representatives".
 - (2) A partnership or joint venture, your members, your partners, and their spouses are "authorized representatives".
 - (3) A limited liability company, your members and your managers are "authorized representatives".
 - (4) An organization other than a partnership, joint venture or limited liability company, your "executive officers" and directors are "authorized representatives". Provided you are not a publicly traded organization, your stockholders are also "authorized representatives".
 - (5) A trust, your trustees are "authorized representatives".
 - b. Your "employees" assigned to manage your insurance program, or assigned to give or receive notice of an "occurrence", claim or "suit" are also "authorized representatives".
3. "Auto" means:
 - a. Any land motor vehicle, trailer or semi-trailer designed for travel on public roads; or
 - b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.

"Auto" does not include "mobile equipment".
4. "Bodily injury" means bodily harm or injury, sickness, disease, disability, humiliation, shock, fright, mental anguish or mental injury, including care, loss of services or death resulting from any of these at any time.
5. "Coverage term" means the following individual increment, or if a multi-year policy period, increments, of time, which comprise the policy period of this Coverage Part:
 - a. The year commencing on the Effective Date of this Coverage Part at 12:01 AM standard time at your mailing address shown in the Declarations, and if a multi-year policy period, each consecutive annual period thereafter, or portion thereof if any period is for a period of less than 12 months, constitute individual "coverage terms". The last "coverage term" ends at 12:00 AM standard time at your mailing address shown in the Declarations on the earlier of:
 - (1) The day the policy period shown in the Declarations ends; or
 - (2) The day the policy to which this Coverage Part is attached is terminated or cancelled.
 - b. However, if after the issuance of this Coverage Part, any "coverage term" is extended for an additional period of less than 12 months, that additional period of time will be deemed to be part of the last preceding "coverage term".
6. "Coverage territory" means anywhere.
7. "Electronic data" means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.
8. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".

9. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any similar governing document.
10. "Hostile fire" means one that becomes uncontrollable or breaks out from where it was intended to be.
11. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:
- a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or
 - b. You have failed to fulfill the terms of a contract or agreement,
- if such property can be restored to use by:
- a. The repair, replacement, adjustment or removal of "your product" or "your work"; or
 - b. Your fulfilling the terms of the contract or agreement.
12. "Insured contract" means:
- a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for "property damage" by fire or explosion to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";
 - b. A sidetrack agreement;
 - c. Any easement or license agreement, except in connection with construction or demolition operations on or within 50 feet of a railroad;
 - d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
 - e. An elevator maintenance agreement;
 - f. That part of any other contract or agreement pertaining to your business, other than a contract or agreement pertaining to the rental or lease of any "auto", (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury", "property damage" or "personal and advertising injury" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement; or

- g. That part of any contract or agreement entered into, as part of your business, pertaining to the rental or lease, by you or any of your "employees", of any "auto". However, such contract or agreement shall not be considered an "insured contract" to the extent that it obligates you or any of your "employees" to pay for "property damage" to any "auto" rented or leased by you or any of your "employees".

Paragraphs **f.** and **g.** do not include that part of any contract or agreement:

- (1) That indemnifies a railroad for "bodily injury", "property damage" or "personal and advertising injury" arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, roadbeds, tunnel, underpass or crossing. However, if such liability is insured by valid and collectible "underlying insurance" as listed in the Schedule of Underlying Insurance, this Paragraph (1) shall not apply for such hazards for which insurance coverage is afforded by such "underlying insurance";
- (2) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a) Preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - (b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage;
- (3) Under which the insured, if an architect, engineer or surveyor, assumes liability for injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in Paragraph (2) above and supervisory, inspection, architectural or engineering activities;
- (4) That indemnifies an advertising, public relations or media consulting firm for "personal and advertising injury" arising out of the planning, execution or failure to execute marketing communications programs. Marketing communications programs include but are not limited to comprehensive marketing campaigns; consumer, trade and corporate advertising for all media; media planning, buying, monitoring and analysis; direct mail; promotion; sales materials; design; presentations; point-of-sale materials; market research;

public relations and new product development;

- (5) Under which the insured, if an advertising, public relations or media consulting firm, assumes liability for "personal and advertising injury" arising out of the insured's rendering or failure to render professional services, including those services listed in Paragraph (4), above;
 - (6) That indemnifies a website designer or content provider, or Internet search, access, content or service provider for injury or damage arising out of the planning, execution or failure to execute Internet services. Internet Services include but are not limited to design, production, distribution, maintenance and administration of websites and web-banners; hosting websites; registering domain names; registering with search engines; marketing analysis; and providing access to the Internet or other similar networks;
 - (7) Under which the insured, if a website designer or content provider, or Internet search, access, content or service provider, assumes liability for injury or damage arising out of the insured's rendering or failure to render Internet services, including those listed in Paragraph (6), above;
 - (8) That pertains to the loan, lease or rental of an "auto" to you or any of your "employees", if the "auto" is loaned, leased or rented with a driver; or
 - (9) That holds a person or organization engaged in the business of transporting property by "auto" for hire harmless for your use of an "auto" over a route or territory that person or organization is authorized to serve by public authority.
13. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm to perform duties related to the conduct of your business. "Leased worker" includes supervisors furnished to you by the labor leasing firm. "Leased worker" does not include a "temporary worker".
14. "Loading or unloading" means the handling of property:
- a. After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";
 - b. While it is in or on an aircraft, watercraft or "auto"; or
 - c. While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;

but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".

15. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:

- a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
- b. Vehicles maintained for use solely on or next to premises you own or rent;
- c. Vehicles that travel on crawler treads;
- d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers;
- e. Vehicles not described in Paragraph a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well-servicing equipment; or
 - (2) Cherry pickers and similar devices used to raise or lower workers;
- f. Vehicles not described in Paragraph a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding,

building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include any land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged. Any land vehicle subject to a compulsory or financial responsibility law or other motor vehicle insurance law is considered an "auto".

16. "Occurrence" means:

- a. An accident, including continuous or repeated exposure to substantially the same general harmful conditions, that results in "bodily injury" or "property damage"; or
- b. An offense that results in "personal and advertising injury".

All damages arising from the same accident, continuous or repeated exposure to substantially the same general harmful conditions, act or offense shall be deemed to arise from one "occurrence" regardless of:

- (1) The frequency of repetition;
- (2) The number or kind of media used; or
- (3) The number of claimants.

17. "Personal and advertising injury" means injury, including "bodily injury", arising out of one or more of the following offenses:

- a. False arrest, detention or imprisonment;
- b. Malicious prosecution;
- c. Abuse of process;
- d. The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person occupies, committed by or on behalf of its owner, landlord or lessor;
- e. Defamation of character, including oral or written publication, in any manner, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services;
- f. Oral or written publication, in any manner, of material that violates a person's right of privacy;
- g. The use of another's advertising idea in your "advertisement";
- h. Infringing upon another's copyright, trade dress or slogan in your "advertisement"; or

- i. Discrimination, unless insurance coverage therefor is prohibited by law or statute.

18. "Pollutants" mean any solid, liquid, gaseous, or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals, petroleum, petroleum products and petroleum by-products, and waste. Waste includes materials to be recycled, reconditioned or reclaimed. "Pollutants" include, but are not limited to, substances which are generally recognized in industry or government to be harmful or toxic to persons, property or the environment regardless of whether the injury or damage is caused directly or indirectly by the "pollutants" and whether:

- a. The insured is regularly or otherwise engaged in activities which taint or degrade the environment; or
- b. The insured uses, generates or produces the "pollutant".

19. "Products-completed operations hazard":

- a. Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:

(1) Products that are still in your physical possession; or

(2) Work that has not yet been completed or abandoned. However, "your work" will be deemed completed at the earliest of the following times:

(a) When all of the work called for in your contract has been completed.

(b) When all of the work to be done at the site has been completed, if your contract calls for work at more than one site.

(c) When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.

Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.

- b. Does not include "bodily injury" or "property damage" arising out of:

(1) The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition

was created by the "loading or unloading" of that vehicle by any insured; or

- (2) The existence of tools, uninstalled equipment or abandoned or unused materials.

20. "Property damage" means:

- a. Physical injury to or destruction of tangible property including all resulting loss of use. All such loss of use shall be deemed to occur at the time of the physical injury or destruction that caused it; or
- b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, "electronic data" is not tangible property.

21. "Subsidiary" means any organization in which more than 50% of the outstanding securities or voting rights representing the present right to vote for election of directors is owned or controlled, directly or indirectly, in any combination, by one or more of the Named Insureds.

22. "Suit" means a civil proceeding in which money damages because of "bodily injury", "personal and advertising injury" or "property damage" to which this insurance applies are alleged. "Suit" includes:

- a. An arbitration proceeding in which such money damages are claimed and to which the insured must submit or does submit with our consent;
- b. Any other alternative dispute resolution proceeding in which such money damages are claimed and to which the insured submits with our consent; or
- c. An appeal of a civil proceeding.

23. "Temporary worker" means a person who is furnished to you to:

- a. Substitute for a permanent "employee" on leave; or
- b. Meet seasonal or short-term workload conditions.

24. "Ultimate net loss" means the sum actually paid or payable in the settlement or satisfaction of the insured's legal obligation for damages, covered by this insurance, either by adjudication or compromise. "Ultimate net loss" does not include Defense and Supplementary Payments as described in **SECTION I - COVERAGE, C. Defense and Supplementary Payments of this Coverage Part.**

25. "Underlying insurance" means the insurance listed in the Schedule of Underlying Insurance and the insurance available to the insured under all other insurance policies applicable to the "occurrence". "Underlying insurance" also includes any type of self-insurance or alternative method by which the insured arranges for funding of legal liabilities that affords coverage that this Coverage Part covers.

26. "Underlying limit" means the total of the applicable limits of all "underlying insurance" less the amount, if any, by which the applicable limit of the applicable policy listed in the Schedule of Underlying Insurance has been reduced solely by payment of loss resulting from claims which are in accordance with **SECTION I - COVERAGE, A. Insuring Agreement, Paragraph 2. of this Coverage Part.**

27. "Workplace" means that place and during such hours to which the "employee" sustaining injury was assigned by you, or any other person or entity acting on your behalf, to work on the date of "occurrence".

28. "Your product":

a. Means:

- (1) Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:

- (a) You;
- (b) Others trading under your name; or
- (c) A person or organization whose business or assets you have acquired; and

- (2) Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.

b. Includes:

- (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of your product; and
- (2) The providing of or failure to provide warnings or instructions.

- c. Does not include vending machines or other property rented to or located for the use of others but not sold.

29. "Your work":

a. Means:

- (1) Work or operations performed by you or on your behalf; and

- (2) Materials, parts or equipment furnished in connection with such work or operations.
- b. Includes:

- (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work"; and
- (2) The providing of or failure to provide warnings or instructions.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN

GOVERNOR

June 18, 2026

DANIEL H. JOHNSON

SECRETARY

ADDENDUM # 1

Contract ID: DN12225454
TIP: N/A
Federal Aid: State Funded
WBS: GMR14.HAY.1NB, 14BPR.10443
County: Haywood
Description: ID-IQ On-Call Tunnel Lighting Services At Haywood County Mass
Concrete Arch Tunnels:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53

Letting Date: June 23, 2026

Plan Holders

Content Summary: Pre-Bid Meeting Rosters and Minutes, WBS Element Revisions, Pay Item Changes, Provision Additions

The above contract has experienced the following revisions:

1. Pre-Bid Meeting Roster (see attached)
2. Pre-Bid Meeting Minutes (see attached)
3. Revise the WBS Element on Proposal Cover and Invitation to Bid to change from GMR14.HAY.1P, GMR14.HAY.2P to **GMR14.HAY.1NB, 14BPR.10443** (see attached)
4. Pay Item Changes (see attached)
 - a. 0022000000-E 225 **Unclassified Excavation** has been added, **10 CY**
5. Addition of Provision SP1 G44 **Fuel Price Adjustment Paper Bid** on pages G-8 and G-9 of the Proposal (see attached)

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 14
253 WEBSTER ROAD
SYLVA, NC 28779

Telephone: (828) 331-5200
Fax: (828) 331-5201
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

There is no ebsx addenda file associated with this addendum.

Please insert this addendum letter and any attachments into the addendum section of the proposal and sign the acknowledgment receipt of addendum form. Thank you for your attention to this matter.

If you have any questions, please contact the Division Proposal Engineer at (828) 331-5200.

Sincerely,

Signed by:

29BD93927CF24F6...

Jeanette L. White, P.E.
Highway Division 14, Project Development-
Team Lead



DN12225454 IDIQ Tunnel Lighting
 Pre Bid Attendance June 15, 2026
 Div 14, 253 Webster Rd Sylva NC 28779

Name (Signature):	Company Name:	Company Address	
	Haynes Electric Utilities A Division of MB Haynes Corp.	187 Deaver view Rd, Asheville, NC 28806	
	Haynes Electric Utilities a Division of MB Haynes Corp	187 Deaver view Rd, Asheville, NC 28806	
	HDR - DOT Div 14	345 TOOT HOLLOW RD, Bryson City, NC	
	DIV 14 BME	345 TOOT HOLLOW RD, BRYSON CITY, NC	28713
James Hollingsworth	NCDOT Division Design	345 Toot Hollow Rd. Bryson City, NC	28713
Sam McAlister	828 776 5379 smcalister@mbhaynes.com		
Shane Mensen	828-782-0199 shensen@mbhaynes.com		
James Hollingsworth	828-400-3660 jehollingsworth@ncdot.gov		
Dan Olson	828-964-4438 ext-drolson@ncdot.gov		
SPENCER McDONALD	(828) 508-3135 SWMCDONALD@NCDOT.GOV		



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

June 16th, 2026

Contract: DN12225454
TIP No.: N/A
Federal Aid No.: State Funded
WBS Element: GMR14.HAY.1NB, 14BPR.10443
County: Haywood
Location: Haywood County Mass Concrete Arch Tunnels:
#104, I-40 EB, MP 8.28
#15, I-40 EB, MP 4.12
#17, I-40 WB, MP 32.53
Type of Work: ID-IQ On-Call Tunnel Lighting Services

Subject: Pre-Bid Meeting Minutes – June 15th, 2026

Sam McAlister
Haynes Electric Utilities
Project Manager
187 Deaverview Rd
Asheville, NC 28806

Dear Mr. McAlister,

This letter is to serve as a summary of the pre-bid meeting that was conducted on June 15th, 2026.
Please review the following summary and let us know if you find any discrepancies.

In Attendance:

Name	Company	Title	Phone	Email Address
Sam McAlister	MB Haynes Corp	Project Manager	828-776-5379	smcalister@mbhaynes.com
Shane Henson	MB Haynes Corp	Project Estimator	828-782-0199	shenson@mbhaynes.com
Dan Olson	HDR - NCDOT Div 14	Embedded Transportation Tech.	828-964-4438	ext-drolson@ncdot.gov
Spencer McDonald	NCDOT Div 14	BME	828-331-5452	swmcdonald@ncdot.gov
James Hollingsworth	NCDOT Div 14	DDC Engineer	828-400-3660	jehollingsworth@ncdot.gov

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
BUSINESS UNIT NAME
ADDRESS 1
CITY, NC ZIP

Telephone: (###) ###-####
Fax: (###) ###-####
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
ADDRESS 2
CITY, NC ZIP

Project Overview

- Contract covers tunnel lighting maintenance at three I-40 tunnel locations in Haywood County (two eastbound, one westbound).
- Bid opening scheduled for June 23, 2026 at 2:00 PM.
- Contract term is July 2026 through July 19, 2027, with potential annual renewals for up to three years.
- Contract is state-funded and structured as an IDIQ (Indefinite Delivery, Indefinite Quantity) contract.

Contract Administration

- Spencer McDonald will serve as NCDOT's primary point of contact and contract administrator.
- Work will be assigned through individual work orders.
- Contractor will have three working days to accept a work order after issuance.

Discussion Items

Tunnel Lighting Maintenance

- Recent tunnel work primarily involved replacement of LED panels and ballasts.
- Additional field review is needed to identify current maintenance needs and prioritize future work orders.
- Existing tunnel lighting plans and schematics are available and will be provided to the contractor.

Work Scheduling

- Day or night work will be determined on a case-by-case basis.
- Lane closures are expected to be the primary traffic control method.
- Coordination with IMAP and traffic management personnel may be required for larger work activities.
- Law enforcement support will be evaluated on a case-by-case basis.

Contract Requirements

- Performance/payment bonds will only be required for work orders exceeding \$450,000.
- Emergency mobilization item includes a 48-hour response requirement.

- Liquidated damages will be assessed according to work order value if completion dates are exceeded.

Bid Submission Requirements

Contractors must:

- Submit the complete proposal package, including all addenda.
- Bid every line item.
- Ensure all calculations are accurate.
- Properly execute corporate signatures, seals, and witness requirements.
- Submit bids before the advertised opening time.

Material Availability

- Discussion held regarding long lead times for certain materials, including large junction boxes and conduit.
- NCDOT will attempt to provide advance notice of anticipated work to allow procurement of specialty materials when possible.

Action Items

- NCDOT to provide tunnel lighting plans and schematics to Sam McAlister and Shane Henson.
- NCDOT to conduct a field review of tunnel lighting systems and identify anticipated maintenance needs.
- Discussion held regarding NCDOT to issue an addendum adding an Unclassified Excavation line item to address potential rock excavation encountered during trenching and conduit installation.
- Contractor to review plans and submit any additional questions through the official contract contact before the deadline for addendum questions.

Meeting Adjourned

- No additional questions were raised. Meeting concluded following discussion of contract requirements, bid procedures, and anticipated maintenance activities.

Sincerely, 
Spencer McDonald
Division Bridge Maintenance Engineer
Division 14
North Carolina Department of Transportation

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 14

ID/IQ PROPOSAL

DATE AND TIME OF BID OPENING: JUNE 23, 2026 AT 2:00 PM

CONTRACT ID: DN12225454

WBS ELEMENT NO.: GMR14.HAY.1NB, 14BPR.10443

FEDERAL AID NO.: STATE FUNDED

COUNTY: HAYWOOD

TIP NO.: N/A

MILES: VARIES

ROUTE NO.: I-40

LOCATION: HAYWOOD COUNTY MASS CONCRETE ARCH TUNNELS:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53

TYPE OF WORK: ID-IQ ON-CALL TUNNEL LIGHTING SERVICES

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$40,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

THIS IS A ROADWAY PROJECT.

BID BOND IS NOT REQUIRED.

NAME OF BIDDER

ADDRESS OF BIDDER



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

June 1, 2026

NOTICE TO PROSPECTIVE BIDDERS

Contract ID: DN12225454
TIP: N/A
Federal Aid: State Funded
WBS: GMR14.HAY.1NB, 14BPR.10443
County: Haywood
Description: ID-IQ On-Call Tunnel Lighting Services At Haywood County Mass Concrete Arch Tunnels:
#0104, I-40 EAST BOUND LANE, MP 8.28
#0015, I-40 EAST BOUND LANE, MP 4.12
#0017, I-40 WEST BOUND LANE, MP 32.53
Project Length: **Varies**
Letting Date: June 23, 2026

The Department of Transportation does not exclude any person from participation in, deny any person the benefits of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by this program on the basis of race, color, sex, political affiliation/ influence, or national origin.

BIDDER REQUIREMENTS

There is a **MANDATORY** pre bid meeting associated with this proposal. Bidders must attend the pre bid meeting and sign the sign in sheet to be considered a valid plan holder; details regarding the meeting day, time, location, and point of contact can be found in the proposal. Bidders should bring a printed copy of the proposal, plans, and any relevant supplemental documentation to the pre-bid meeting, as hard copies of these documents will not be supplied by NCDOT.

BID OPENING

Sealed bids must be received in the Division 14 Office at 253 Webster Road, Sylva, NC 28779 by 2:00 PM on Tuesday, June 23, 2026. Bids will be opened and publicly read at NCDOT Division 14 Office, 253 Webster Road, Sylva NC, at the above date, shortly after the time that the bids submissions are due. The As-Read Bid Summaries will be posted within 48 hours of the bid opening. Results **will not** be provided by any means other than posting to the website.

Mailing Address:
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DIVISION OF HIGHWAYS - DIVISION 14
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Website: www.ncdot.gov

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

BID DOCUMENTS

The contract proposal plans, and supplemental project information are available online at <https://connect.ncdot.gov/letting/Pages/Division.aspx>.

The printing of all bid-related documents, including the proposal, plans, and any supplemental project information shall be the responsibility of the bidder. Division 14 no longer provides hard copies of bid documents.

SUPPLEMENTAL BIDDING INFORMATION

ADDENDA

- All addenda files will only be posted on the Division 14 Bidding & Letting website: <https://connect.ncdot.gov/letting/Pages/Division.aspx>

ASSISTANCE

- Project specific questions should be directed to the Division 14 Contract Office at d14contracts@ncdot.gov.

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12225454							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Extended Amount
ROADWAY ITEMS							
1	0000915000-N	SP	EMERGENCY MOBILIZATION	6	EA	\$	\$
2	4402000000-E	SP	HIGH VISIBILITY STATIONARY SIGNS	232	SF	\$	\$
3	4407000000-E	SP	HIGH VISIBILITY PORTABLE SIGNS	96	SF	\$	\$
4	4420000000-N	1120	CHANGEABLE MESSAGE SIGNS	1	EA	\$	\$
5	4423000000-N	SP	WORK ZONE DIGITAL SPEED LIMIT SIGNS	5	EA	\$	\$
6	4424000000-N	SP	WORK ZONE PRESENCE LIGHTING	14	EA	\$	\$
7	4432000000-N	SP	HIGH VISIBILITY DRUMS	50	EA	\$	\$
8	4434000000-N	1140	SEQUENTIAL FLASHING WARNING LIGHTS	12	EA	\$	\$
9	4480000000-N	1165	TMA	2	EA	\$	\$
10	4510000000-N	1190	LAW ENFORCEMENT	540	HR	\$	\$
11	4600000000-N	SP	SINGLE LANE CLOSURE	2	EA	\$	\$
12	4600000000-N	SP	CONNECTED LANE CLOSURE SYSTEM	54	EA	\$	\$
13	5080000000-N	SP	LIGHT STANDARD LUMINAIRES, TYPE ***** (RDW, 185W LED)	3	EA	\$	\$
14	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 2")	200	LF	\$	\$
15	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 3")	200	LF	\$	\$
16	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 4")	200	LF	\$	\$
17	5150000000-E	1490	ELECTRICAL DUCT, TYPE **, SIZE***** (TL, 6")	200	LF	\$	\$
18	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	200	LF	\$	\$
19	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")	200	LF	\$	\$
20	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")	200	LF	\$	\$
21	5150000000-E	1490	ELECTRICAL DUCT, TYPE BD, SIZE ***** (6")	200	LF	\$	\$
22	5170000000-E	1410	** #8 W/G FEEDER CIRCUIT (2)	100	LF	\$	\$
23	5175000000-E	1410	** #6 W/G FEEDER CIRCUIT (2)	100	LF	\$	\$
24	5205000000-E	1410	** #8 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1-1/2")	400	LF	\$	\$
25	5210000000-E	1410	** #6 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1-1/2")	400	LF	\$	\$
26	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG18)	2	EA	\$	\$
27	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG30)	2	EA	\$	\$
28	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG36)	2	EA	\$	\$

29	5265000000-E	SP	1 #6 THHN/THWN CONDUCTOR	500	LF	\$	\$
30	5265000000-E	SP	1 #8 THHN/THWN CONDUCTOR	500	LF	\$	\$
31	5265000000-E	SP	1 #12 THHN/THWN CONDUCTOR	300	LF	\$	\$
32	5270000000-N	SP	TUNNEL LIGHTING LUMINAIRE	60	EA	\$	\$
33	5270000000-N	SP	TUNNEL LIGHTING BRACKET ASSEMBLY	40	EA	\$	\$
34	5271000000-N	SP	FAULT TROUBLESHOOT AND LOCATE	80	HR	\$	\$
35	0022000000-E	225	UNCLASSIFIED EXCAVATION	10	CY	\$	\$
Total Amount Of Bid For Entire Project:							\$

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12225454

Contractor: _____

Address: _____

Phone: _____ Federal ID: _____

Contractor License Number (If Available): _____

Authorized Agent: _____ Title: _____

Signature: _____ Date: _____

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated herein and place traffic in a normal traffic pattern.

The liquidated damages are **Two Hundred Fifty Dollars (\$250.00)** per hour.

NO MAJOR CONTRACT ITEMS:

(2-19-02) (Rev. 8-21-07)

104

SP1 G31

None of the items included in this contract will be major items.

NO SPECIALTY ITEMS:

(7-1-95)(Rev. 1-16-24)

108-6

SP1 G34

None of the items included in this contract will be specialty items (see Article 108-6 of the *Standard Specifications*).

FUEL PRICE ADJUSTMENT PAPER BID:

(11-15-05)(Rev. 1-16-24)

109-8

SP1 G44

Revise the *Standard Specifications* as follows:

Page 1-82, Article 109-8, FUEL PRICE ADJUSTMENTS, add the following:

The base index price for DIESEL #2 FUEL is **\$4.1012** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Erosion Control Stone	Gal/Ton	0.55
Rip Rap, Class _____	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Open-Graded Asphalt Friction Course	Gal/Ton	0.90 or 2.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	0.90 or 2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Ultra-thin Bonded Wearing Course	Gal/Ton	0.90 or 2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
> 11" Portland Cement Concrete Pavement	Gal/SY	0.327
Concrete Shoulders Adjacent to > 11" Pavement	Gal/SY	0.327
9" to 11" Portland Cement Concrete Pavement	Gal/SY	0.272
Concrete Shoulders Adjacent to 9" to 11" Pavement	Gal/SY	0.272
< 9" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to < 9" Pavement	Gal/SY	0.245

For the asphalt items noted in the chart as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form for Paper Bid* with their bid submission if they elect to use the fuel usage factor. The *Fuel Usage Factor Adjustment Form for Paper Bid* is included toward the end of this paper bid document when asphalt items noted in the chart as eligible for fuel adjustments are part of the project.

Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each asphalt line item on the *Fuel Usage Factor Adjustment Form for Paper Bid*. The selected fuel factor for each asphalt item will remain in effect for the duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form for Paper Bid* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items noted above. The contractor will not be permitted to change the Fuel Usage Factor after the bids are submitted.