



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

November 6, 2025

DANIEL H. JOHNSON
SECRETARY

ADDENDUM # 1

Contract ID: DN12178038
TIP: N/A
Federal Aid: To Be Determined
WBS: 14.1020SM, 14.1022SM, 14.1038SM, 14.1044SM, 14.1045SM,
14.1050SM, 14.1056SM, 14.1075SM, 14.1087SM, 14.1088SM
Counties: Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Polk, Swain
And Transylvania
Description: ID/IQ On-Call Signals Maintenance And Repair At Various Locations
Throughout Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon,
Polk, Swain And Transylvania Counties

Letting Date: November 12, 2025

Plan Holders

**Content Summary: Pre-bid Meeting Roster, Pre-bid Meeting Minutes, Pay Item
Changes, Addition of Provision**

The above contract has experienced the following revisions:

1. Pre-bid meeting minutes
2. Pre-bid meeting roster
3. Add provision **MICROWAVE VEHICLE DETECTION SYSTEM -
MULTIPLE DETECTION ZONES** on pages **TS-60** through **TS-62** (see
attached)
4. Pay Item Changes (see attached)
 - a. The quantity for line item 0011: 4600000000-N Generic Traffic Control
Item 2-Lane, 2-Way Roadway - 1 Lane Closed – Scenario 1 has decreased
from 15 to **10** Day
 - b. 7980000000-N SP Generic Signal Item **Microwave Vehicle Detection
System – Multiple Zones** has been added, **5 EA**

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

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

Website: www.ncdot.gov

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 verification. 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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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SECRETARY

DN12178038 & DN12178039 – Pre-Bid Meeting Minutes

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION 14
PRE-BID CONFERENCE MINUTES**

CONTRACT: DN12178038 (Federal) & DN12178039 (State)

COUNTIES: All 10 counties in Division 14

DESCRIPTION: Signal Maintenance and IDIQ On-Call Signal Maintenance and Repair

DATE: November 4, 2025

TIME: 10:00 a.m.

LOCATION: Microsoft Teams / In-Person Hybrid

ATTENDEES:

(Refer to attached sign-in sheet or list below) Steven Buchanan – Division Traffic Engineer

- Steven Buchanan – Division Traffic Engineer
- Andy Ashe – Division 14 Signal Supervisor
- Kenneth "Mac" McDowell – Assistant DDC Engineer
- Dan Olson – Embedded Employee, Division 14
- Logan Gentry – Haynes Electric Utility
- James Hollingsworth – DDC Engineer
- Marshall Orr – Assistant District Engineer, District 3
- Brett Baldwin – Assistant DDC Engineer
- Jeanette White – Project Development Team Lead

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 14 – DISTRICT 2
178 HENRY BIRD ROAD
WHITTIER, NC 28789-7646

Telephone: (828) 497-7333
Fax: (828) 497-6095
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
178 HENRY BIRD ROAD
WHITTIER, NC 28789-7646

MEETING SUMMARY:

- **Purpose:**

The meeting was held to discuss the scope and requirements for contracts DN12178038 (Federal) and DN12178039 (State) for signal maintenance and repair across Division 14.
- **Contract Type:**

Both contracts are **IDIQ (Indefinite Delivery, Indefinite Quantity)** and are **single-award** contracts.
- **Prequalification Requirement:**

Only contractors who attended and registered for this pre-bid meeting are considered pre-qualified to bid. Bidders must be prequalified as a **Purchase Order Contractor** at the time of bid opening.
- **Bid and Contract Dates:**
 - **Letting Date:** November 12, 2025, at 2:00 PM
 - **Availability Date:** December 9, 2025
 - **Completion Date:** December 8, 2026
- **Bonding Requirements:**

No bond is required unless the work exceeds **\$500,000**.
- **Mobilization:**
 - No direct pay for mobilization except for **emergency mobilization**.
 - Emergency mobilization requires arrival on-site within **4 hours** of notification.
 - Mobilization costs must be included in individual line items.
- **Liquidated Damages:**
 - For work under \$100,000: **\$100/day**.
 - Most work is expected to remain under \$300,000.
- **Federal vs. State Contracts:**
 - Contracts are nearly identical except the federal version includes **federal provisions**.
- **Questions and Clarifications:**
 - Any post-meeting questions should be directed to **Laura Greene, Steven Buchanan, or James Hollingsworth**.

- A list of contact emails will be distributed.

ADDITIONAL NOTES:

- Contractors must ensure all bid items account for incidental costs, including mobilization.
- No minimum quantities are guaranteed for any bid item.
- The team will compile and distribute official meeting notes.

Meeting Adjourned at: 10:30 a.m.

DocuSigned by:
Steven M. Buchanan
71CFA147ECEC4E1...
11/05/2025

29. WOOD POLE REMOVAL:

(12-09-25)

PSP17 TS100

Description

This work consists of removing wood poles of various lengths (35, 40, or 45 feet) as directed by the Engineer.

Construction Methods

The Contractor shall remove the specified wood pole, messenger cable attachments, risers, and down guys, backfill the hole, and restore the ground surface to an undisturbed condition. The removed pole shall become the property of the Contractor unless otherwise directed by the Engineer.

When directed by the Engineer, the Contractor shall remove the wood pole, backfill the hole, restore the ground surface to match surrounding grade, and transport the pole to a specified location.

Measurement and Payment

Wood Pole Removal will be measured and paid for as the actual number of each pole that has been removed. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item	Pay Unit
Wood Pole Removal	Each

30. MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE DETECTION ZONES**30.1. DESCRIPTION**

Design, furnish and install a microwave vehicle detection system with the manufacturer recommended cables and hardware in accordance to the plans and specifications. Ensure the detection system provides multiple detection zones.

30.2. MATERIALS

Provide design drawings showing design details and microwave sensor locations for review and acceptance before installation. Provide mounting height and location requirements for microwave sensor units on the design based on a site survey. Design microwave vehicle detection system with all necessary hardware. Indicate all necessary poles, spans, mast arms, luminaire arms, cables, microwave sensor mounting assemblies and hardware to achieve the required detection zones where Department owned poles are not adequate to locate the microwave sensor units. Do not design for the installation of poles in medians.

Obtain the Engineer's approval before furnishing microwave vehicle detection system. The contractor is responsible for the final design of microwave vehicle detection system. Review and acceptance of the designs by the Department does not relieve the contractor from the responsibility to provide fully functional systems and to ensure that the required detection zones can be provided.

With the exception of contractor-furnished poles, mast arms, and luminaire arms, furnish material, equipment, and hardware under this section that is pre-approved on the ITS and Signals QPL. Submit and obtain Engineer's approval of shop drawings for any poles, mast arms, and luminaire arms provided by the contractor prior to ordering from manufacturer.

Provide a detector for either side-fire or forward-fire configuration. Ensure the detector will detect vehicles in sunny, cloudy, rainy, snowy, and foggy weather conditions. Ensure the detector can operate from the voltage supplied by a NEMA TS-1/TS-2 or Type 332 or 336 traffic signal cabinet. Ensure the detector can provide detection calls to the traffic signal controller within a NEMA TS-1/TS-2 or Type 332 or 336 cabinet. Ensure the detection system provides a constant call in the event of a component failure or loss of power. Ensure the detector has an operating temperature range of -30 to 165 degrees F and operates within the frequency range of 10 to 25 GHz. Ensure the detector is provided with a water-tight housing offering NEMA 4X protection and operates properly in up to 95% relative humidity, non-condensing.

Provide each detector unit to allow the placement of at least 8 detection zones with a minimum of 8 detection channel outputs. When the microwave vehicle detection system requires an integrated card rack interface(s), provide only enough interface cards to implement the vehicle detection shown on the signal plans. Provide a means acceptable to the Engineer to configure traffic lanes and detection zones. Provide each channel output with a programmable means to delay the output call upon activation of a detection zone that is adjustable in one second increments (maximum) over the range of 0 to 25 seconds. Provide each channel output with a programmable means to extend the output call that is adjustable in one second increments (maximum) over the range of 0 to 25 seconds. Ensure both delay and extend timing can be set for the same channel output.

For advance detection system, ensure the detector senses vehicles in motion at a range of 50 to 400 feet from the detector unit for forward-fire configuration and a range of 50 to 200 feet from the detector unit for side-fire configuration with an accuracy of 95% for both configurations. Ensure the advance detection system provides each channel output call of at least 100 ms in duration.

For stop bar presence detection system, ensure the detector outputs a constant call while a vehicle is in the detection zone and removes the call after all vehicles exit the detection zone. Ensure the presence detector unit can cover a detection zone as shown on the plans and has an effective range of 10 to 120 feet from the detector unit.

For units without an integrated card rack interface, provide Form C output relay contacts rated a minimum of 3A, 24VDC.

If a laptop is used to adjust detector settings, ensure that software is licensed for use by the Department and by any other agency responsible for maintaining or operating the microwave detection system. Provide the Department with a license to duplicate and distribute the software as necessary for design and maintenance support.

After initial detector configuration and installation, ensure routine adjustments or calibration are not needed to maintain acceptable performance.

30.3. CONSTRUCTION METHODS

Install the microwave vehicle detection system in accordance with the manufacturer's recommendations.

Monitor and maintain each detector unit during construction to ensure microwave vehicle detection system is functioning properly and aimed for the detection zone shown in the plans. Refer to Subarticle 1700-3 (D) Maintenance and Repair of Materials of the *Standard Specifications* for failure to maintain the microwave detection system.

30.4. MEASUREMENT AND PAYMENT

Actual number of microwave vehicle detection systems – multiple zones furnished, installed, and accepted.

No measurement will be made of cables or hardware, as these will be considered incidental to furnishing and installing microwave vehicle detection systems.

Payment will be made under:

Microwave Vehicle Detection System – Multiple Zones Each

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12178038							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Extended Amount
ROADWAY ITEMS							
0001	0000860000-N	SP	Generic Miscellaneous Item Metal Strain Signal Pole	1	DOL	\$	\$
0002	0000860000-N	SP	Generic Miscellaneous Item Metal Pole With Single Mast Arm	1	DOL	\$	\$
0003	0000860000-N	SP	Generic Miscellaneous Item Metal Pole With Dual Mast Arm	1	DOL	\$	\$
0004	0000910000-N	SP	Generic Miscellaneous Item Signal Technician	150	HR	\$	\$
0005	0000910000-N	SP	Generic Miscellaneous Item Signal Helper	150	HR	\$	\$
0006	0000915000-N	SP	Generic Miscellaneous Item Emergency Mobilization	25	EA	\$	\$
0007	0022000000-E	225	Unclassified Excavation	60	CY	\$	\$
0008	1519000000-E	610	Asphalt Conc Surface Course, Type S9.5B	10	TON	\$	\$
0009	1575000000-E	620	Asphalt Binder For Plant Mix	10	TON	\$	\$
0010	1693000000-E	654	Asphalt Plant Mix, Pavement Repair	10	TON	\$	\$
0011	4600000000-N	SP	Generic Traffic Control Item 2-Lane, 2-Way Roadway - 1 Lane Closed – Scenario 1	10	DAY	\$	\$
0012	4600000000-N	SP	Generic Traffic Control Item Divided Multi-Lane Roadway – 1 Lane Closed – Scenario 1	25	DAY	\$	\$
0013	4600000000-N	SP	Generic Traffic Control Item Shoulder Closure – Scenario 1	10	DAY	\$	\$
0014	4609000000-N	SP	Generic Traffic Control Item 2-Lane, 2-Way Roadway - 1 Lane Closed – Scenario 2	10	EA	\$	\$
0015	4609000000-N	SP	Generic Traffic Control Item Divided Multi-Lane Roadway – 1 Lane Closed – Scenario 2	25	EA	\$	\$
0016	4609000000-N	SP	Generic Traffic Control Item Shoulder Closure – Scenario 2	10	EA	\$	\$
0017	7060000000-E	1705	Signal Cable	30,000	LF	\$	\$
0018	7204000000-N	1705	Louver	10	EA	\$	\$
0019	7252000000-E	1710	Messenger Cable (1/4")	2,500	LF	\$	\$
0020	7264000000-E	1710	Messenger Cable (3/8")	8,000	LF	\$	\$
0021	7279000000-E	1715	Tracer Wire	6,000	LF	\$	\$
0022	7288000000-E	1715	Paved Trenching (***** (2, 2"))	500	LF	\$	\$
0023	7300000000-E	1715	Unpaved Trenching (***** (2, 2"))	4,000	LF	\$	\$
0024	7301000000-E	1715	Directional Drill (***** (1, 2"))	1,000	LF	\$	\$
0025	7301000000-E	1715	Directional Drill (***** (2, 2"))	1,000	LF	\$	\$
0026	7301000000-E	1715	Directional Drill (***** (3, 2"))	1,000	LF	\$	\$

0027	7324000000-N	1716	Junction Box (Standard Size)	100	EA	\$	\$
0028	7348000000-N	1716	Junction Box (Over-Sized, Heavy Duty)	10	EA	\$	\$
0029	7360000000-N	1720	Wood Pole	5	EA	\$	\$
0030	7372000000-N	1721	Guy Assembly	200	EA	\$	\$
0031	7408000000-E	1722	1" Riser With Weatherhead	40	EA	\$	\$
0032	7420000000-E	1722	2" Riser With Weatherhead	40	EA	\$	\$
0033	7430000000-N	1722	Heat Shrink Tubing Retrofit Kit	5	EA	\$	\$
0034	7432000000-E	1722	2" Riser With Heat Shrink Tubing	10	EA	\$	\$
0035	7444000000-E	1725	Inductive Loop Sawcut	10,000	LF	\$	\$
0036	7456100000-E	1726	Lead-In Cable (14-2)	8,000	LF	\$	\$
0037	7516000000-E	1730	Communications Cable (** Fiber) (12 SMFO-Fiber)	2,000	LF	\$	\$
0038	7516000000-E	1730	Communications Cable (** Fiber) (24 SMFO-Fiber)	1,000	LF	\$	\$
0039	7528000000-E	1730	Drop Cable	100	LF	\$	\$
0040	7540000000-N	1731	Splice Enclosure	5	EA	\$	\$
0041	7541000000-N	1731	Modify Splice Enclosure	5	EA	\$	\$
0042	7552000000-N	1731	Interconnect Center	5	EA	\$	\$
0043	7564000000-N	1732	Fiber-Optic Transceiver, Drop & Repeat	5	EA	\$	\$
0044	7564100000-N	1732	Fiber-Optic Transceiver, Self-Healing Ring	5	EA	\$	\$
0045	7566000000-N	1733	Delineator Marker	5	EA	\$	\$
0046	7575142010-N	1736	900MHz Serial/Ethernet Spread Spectrum Radio	5	EA	\$	\$
0047	7575160000-E	1734	Remove Existing Communications Cable	2,000	LF	\$	\$
0048	7575170000-E	1738	Back Pull Fiber Optic Cable	1,000	LF	\$	\$
0049	7575180000-N	1735	Cable Transfer	40	EA	\$	\$
0050	7613000000-N	SP	Soil Test	20	EA	\$	\$
0051	7614100000-E	SP	Drilled Pier Foundation	30	CY	\$	\$
0052	7630000000-N	SP	Metal Strain Pole Design	8	EA	\$	\$
0053	7631000000-N	SP	Mast Arm With Metal Pole Design	4	EA	\$	\$
0054	7648000000-N	1746	Relocate Existing Sign	20	EA	\$	\$
0055	7684000000-N	1750	Signal Cabinet Foundation	25	EA	\$	\$
0056	7686000000-N	1752	Conduit Entrance Into Existing Foundation	5	EA	\$	\$
0057	7687000000-N	1752	Modify Foundation For Controller Cabinet	3	EA	\$	\$
0058	7901000000-N	1753	Cabinet Base Extender	10	EA	\$	\$
0059	7901010000-N	1753	Cabinet Base Adapter	10	EA	\$	\$
0060	7960000000-N	SP	Metal Pole Foundation Removal	5	EA	\$	\$
0061	7972000000-N	SP	Metal Pole Removal	10	EA	\$	\$
0062	7980000000-N	SP	Generic Signal Item Install Backplate	25	EA	\$	\$
0063	7980000000-N	SP	Generic Signal Item Install Pedestrian Signal Head (____) (16", 1 Section W/Countdown)	30	EA	\$	\$

0064	7980000000-N	SP	Generic Signal Item Install Vehicle Signal Head (____) (12", 1 Section)	15	EA	\$	\$
0065	7980000000-N	SP	Generic Signal Item Install Vehicle Signal Head (____) (12", 3 Section)	100	EA	\$	\$
0066	7980000000-N	SP	Generic Signal Item Install Vehicle Signal Head (____) (12", 4 Section)	30	EA	\$	\$
0067	7980000000-N	SP	Generic Signal Item Install Vehicle Signal Head (____) (12", 5 Section)	15	EA	\$	\$
0068	7980000000-N	SP	Generic Signal Item Install Sign For Signals	30	EA	\$	\$
0069	7980000000-N	SP	Generic Signal Item Wood Pole (___ ft) (35 ft)	10	EA	\$	\$
0070	7980000000-N	SP	Generic Signal Item Wood Pole (___ ft) (45 ft)	5	EA	\$	\$
0071	7980000000-N	SP	Generic Signal Item Install Controllers With Cabinet (____) (Type 170E, Base Mounted)	20	EA	\$	\$
0072	7980000000-N	SP	Generic Signal Item Install Controllers With Cabinet (____) (Type 170E, Pole Mounted)	15	EA	\$	\$
0073	7980000000-N	SP	Generic Signal Item Install New Electrical Service	15	EA	\$	\$
0074	7980000000-N	SP	Generic Signal Item Wood Pole Removal	15	EA	\$	\$
0075	7980000000-N	SP	Generic Signal Item Traffic Signal Head Removal	20	EA	\$	\$
0076	7980000000-N	SP	Generic Signal Item Select Traffic Signal Head Removal	20	EA	\$	\$
0077	7980000000-N	SP	Generic Signal Item Microwave Vehicle Detector-Single Zone	5	EA	\$	\$
0078	7980000000-N	SP	Generic Signal Item Signal Pedestal And Foundation Removal	5	EA	\$	\$
0079	7980000000-N	SP	Generic Signal Item Select Signal Pedestal And Foundation Removal	5	EA	\$	\$
0080	7980000000-N	SP	Generic Signal Item Install LEDs In Existing Signal Heads	1,000	EA	\$	\$
0081	7980000000-N	SP	Generic Signal Item Adjust Existing Span	10	EA	\$	\$
0082	7980000000-N	SP	Generic Signal Item Ethernet Edge Switch	5	EA	\$	\$
0083	7980000000-N	SP	Generic Signal Item Rectangular Rapid Flashing Beacon Assembly	50	EA	\$	\$
0084	7980000000-N	SP	Generic Signal Item Anchor Bolt Kit	96	EA	\$	\$
0085	7980000000-N	SP	Generic Signal Item Templates	10	EA	\$	\$
0086	7980000000-N	SP	Generic Signal Item Install Radar Vehicle Detection Sensor	5	EA	\$	\$
0087	7980000000-N	SP	Generic Signal Item APS Detector Station	15	EA	\$	\$

0088	7980000000-N	SP	Generic Signal Item Central Control Units For APS Detector Stations	15	EA	\$	\$
0089	7980000000-N	SP	Generic Signal Item Protective Coating For Strain Pole (____) (5.0 DFT, 9.0 DFT)	4	EA	\$	\$
0090	7980000000-N	SP	Generic Signal Item Protective Coating For Single Mast Arm Pole (____) (5.0 DFT, 9.0 DFT)	4	EA	\$	\$
0091	7980000000-N	SP	Generic Signal Item Protective Coating For Dual Mast Arm Pole (____) (5.0 DFT, 9.0 DFT)	4	EA	\$	\$
0092	7980000000-N	SP	Generic Signal Item Install Reused Metal Strain Signal Pole	5	EA	\$	\$
0093	7980000000-N	SP	Generic Signal Item Install Reused Metal Pole With Single Mast Arm	2	EA	\$	\$
0094	7980000000-N	SP	Generic Signal Item Install Reused Metal Pole With Dual Mast Arm	2	EA	\$	\$
0095	7980000000-N	SP	Generic Signal Item Install Controllers With Cabinet (____) (2070)	20	EA	\$	\$
0096	7980000000-N	SP	Generic Signal Item Install Detector Card (____) (Type 170)	30	EA	\$	\$
0097	7980000000-N	SP	Generic Signal Item Install Beacon Controller Assembly And Cabinet (____) (F1)	10	EA	\$	\$
0098	7980000000-N	SP	Generic Signal Item Install Beacon Controller Assembly And Cabinet (____) (F2)	10	EA	\$	\$
0099	7980000000-N	SP	Generic Signal Item Install Beacon Controller Assembly And Cabinet (____) (F3)	10	EA	\$	\$
0100	7980000000-N	SP	Generic Signal Item Install Type I - Pedestal With Foundation	10	EA	\$	\$
0101	7980000000-N	SP	Generic Signal Item Install Type II - Pedestal With Foundation	25	EA	\$	\$
0102	7980000000-N	SP	Generic Signal Item Install Type III - Pedestal With Foundation	10	EA	\$	\$
0103	7980000000-N	SP	Generic Signal Item Install LED Blankout Sign	5	EA	\$	\$
0104	7980000000-N	SP	Generic Signal Item Solar Power, 900MHz Spread Spectrum Radio	5	EA	\$	\$
0105	7990000000-E	SP	Generic Signal Item Messenger Cable Removal	1,000	LF	\$	\$
0106	7990000000-E	SP	Generic Signal Item Install Radar Vehicle Detection Cable	1,000	LF	\$	\$
0107	7990000000-E	SP	Generic Signal Item Strap Wires To Existing Span	1,000	LF	\$	\$

0108	7980000000-N	SP	Generic Signal Item Microwave Vehicle Detection System – Multiple Zones	5	EA	\$	\$
Total Amount of Bid for Entire Project:							\$

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12178038

Contractor: _____

Address: _____

Phone: _____ Federal ID: _____

Contractor License Number (If Available): _____

Authorized Agent: _____ Title: _____

Signature: _____ Date: _____