



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN

GOVERNOR

October 8, 2026

DANIEL H. JOHNSON

SECRETARY

ADDENDUM # 2

Contract No. DN12239360
TIP No.: N/A
Federal Aid No.: State Funded
WBS Element: GMR14.HEN.1P, GMR14.HEN.2P, GMR14.POL.1P, ETC
County: Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Polk, Swain and Transylvania
Description: ID/IQ Pipe Rehabilitation – Spray-On Liner At Various Locations Throughout Division 14

Letting Date: October 13, 2026

Plan Holders

Content Summary: Pre-bid Meeting Minutes and Roster, Pay Item Changes, Question & Answer

The above contract has experienced the following revisions:

1. Pre-Bid Meeting Minutes. See attached.
2. Pre-Bid Attendance Roster. See attached.
3. Pay Item Changes. See attached bid items sheets.
 - a. 0992000000-E SP **Pipe Thickness Testing** has been added, **20 EA**
 - b. Pay item descriptions have been revised to remove the words "GENERIC ____ ITEM," as this is unnecessary wording.

Bidders have posed the following questions, and the Department has provided the corresponding response:

Bidder Question #: 1. Are there specific structural design or material performance requirements for the spray-applied liner, such as 28-day compressive strength, flexural strength, modulus of elasticity, or bond strength to concrete? Alternatively, is material approval based solely on inclusion on the NCDOT Approved Products List (APL)?

Department Response 1: See page HY-2 of the Hydraulics provisions, item (17); these specifications should be provided by your design submittal.

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

Bidder Question 2: Must the structural design calculations and required NCDOT SAPL spreadsheet be signed and sealed by a Professional Engineer (PE) licensed in North Carolina?

Department Response 2: Yes, per NCDOT Pipe Liner Manual which can be accessed from the following URL:

<https://connect.ncdot.gov/resources/hydro/DrainageStudiesGuidelines/NCDOT%20Pipe%20Liner%20Manual.pdf>

Bidder Question 3: Will a separate, site-specific design signed and sealed by a North Carolina-licensed PE be required for each work order location to verify that the minimum 1-inch liner thickness is adequate for the applicable soil and traffic loads?

Department Response 3: Yes.

Bidder Question 4: What is the required frequency for casting quality assurance/quality control (QA/QC) test samples of the geopolymer material during installation—for example, daily, per specified number of bags or pallets, or per work order?

Department Response 4: See NCDOT Approved Products List (Minimum Sampling Guide). Frequency of test samples will vary depending on the material type required per the approved design submittal.

Bidder Question 5: The specifications appear to permit either “factory-blended cementitious” or “geopolymer” materials, provided they are included on the NCDOT APL. Given the potential differences in material properties, performance, and cost, would the Owner consider establishing separate pay items for Portland cement-based mortars and geopolymer materials?

Department Response 5: No.

Bidder Question 6: The specifications require both pre- and post-installation CCTV inspections to be performed by NASSCO-certified personnel. Must these inspections be documented in PACP format, or would high-quality GoPro-style video recordings be acceptable?

Department Response 6: No. Inspection video format shall comply with Contract language for Post Installation Inspection. PACP format is not discussed.

Bidder Question 7: Is standard pipe cleaning and surface preparation, including water jetting and scraping, considered incidental to the liner’s per-linear-foot unit price?

Department Response 7: Yes, for the scope described on page HY-4, subsection (B) Pipe Clean-out. Larger cleaning needs outside of this scope will be addressed with a different pay item as addressed on page HY-14 in provision titled Obstructed Pipe Clean-out. The needs for each will be determined at the work order level by the Engineer.

Bidder Question 8: What debris quantity, obstruction level, or other criteria will distinguish work eligible for payment under the hourly "Obstructed Pipe Clean Out" item from standard cleaning considered incidental to liner installation?

Department Response 8: Yes, this is covered on page HY-14 in provision titled Obstructed Pipe Clean-out. The need for this scope will be determined at the work order level by the Engineer.

Bidder Question 9: Will the Owner provide site-specific flow rate data with each work order, or will the contractor be solely responsible for determining peak flows before commencing work?

Department Response 9: Flowrate for the purposes of dewatering will be determined at the work order level by the Engineer. The work order will scope the pump size needed to handle the flow rate at each site. If peak flowrates are needed for liner design, this burden falls to the contractor.

Bidder Question 10: Will payment for host pipe grouting be based on the actual volume of grout injected, measured in cubic yards? Will any maximum payable quantity apply at each location?

Department Response 10: Page HY-11 Host Pipe Grouting will be measured and paid in cubic yards of slurry cement backfill that is installed.

Bidder Question 11: Will the Engineer identify locations requiring invert paving before issuing each work order? Please also clarify the deterioration criteria used to determine when invert paving is required rather than standard spray application.

Department Response 11: Yes, the Engineer will identify locations requiring invert paving before issuing each work order. There are no definitive deterioration criteria.

Bidder Question 12: Because an anticipated invert paving thickness has not been provided, would the Owner/Engineer consider revising the unit of measure from square yards (SY) to cubic feet (CF)?

Department Response 12: No revision anticipated by NCDOT. As per, Invert Paving Existing Corrugated Steel Pipe provision, "Place 4-inch-thick Class AA Slip Form concrete invert slab in accordance with Section 420 and Section 1000 of the Standard Specifications to the width of invert paving provided by the Engineer.

Bidder Question 13: What is the required timeframe between issuance of a work order and contractor mobilization and commencement of work?

Department Response 13: 90 days.

Bidder Question 14: What is the Owner's anticipated annual budget for work performed under this contract?

Department Response 14: The Indefinite Delivery and Indefinite Quantity (ID/IQ) contract is the means by which the Department can utilize on-call services without having a definitive quantity or budget. The Department will continue to issue work orders as long as the need is present and the budget supports that need. Be aware that the \$5M cap does not guarantee that the Department will spend that much.

Bidder Question 15: How many work orders does the Owner anticipate issuing annually?

Department Response 15: See response # 14 above.

Bidder Question 16: What is the anticipated typical dollar value, or range of values, for individual work orders?

Department Response 16: That will be determined when the work order is scoped.

Bidder Question 17: Will the two post rehab inspections (one 90-100 calendar days after installation and the second 30 calendar days prior to the 5-year warranty expiration) remain a requirement, or will only the first post-rehab inspection be required?

Department Response 17: See page HY-7 & HY-8 of the Hydraulics provisions - Post installation Inspection.

Bidder Question 18: \$5 million dollar 'legal spending limit' was mentioned on the pre-bid call. Is this anticipated budget to be spent?

Department Response 18: No.

Bidder Question 19: What budget does the Owner anticipate spending on each of these (3) contracts (fold/form, CIPP, Spray)?

Department Response 19: The Indefinite Delivery and Indefinite Quantity (ID/IQ) contract is the means by which the Department can utilize on-call services without having a definitive quantity or budget. The Department will continue to issue work orders as long as the need is present and the budget supports that need. Be aware that the \$5M cap does not guarantee that the Department will spend that much.

Bidder Question 20: What frequency has the Owner issued work orders in the past (once a quarter, twice a year, etc.) for Division 14, specific to each contract (fold/form, CIPP, & Spray)?

Department Response 20: The Department (Division 14) has not pursued this work using ID/IQ in the past, so there is no data.

Bidder Question 21: What dollar amounts have past work orders totaled in the past?

Department Response 21: The Department (Highway Division 14) has no past history of ID/IQ costs as this is the first time that we are using this contract mechanism. Other pipe liner work expenditures may be available on the Bidding & Letting website where one can find bid tabature of previous lettings. Be aware it has been quite a while since pipe lining work has been done at the Division level so any historical pricing data that a bidder is able to research will be very outdated. The burden of that research lies with the bidder.

Bidder Question 22: Will the Owner provide average pipe diameter/footage releases for past work orders (fold/form, CIPP, & Spray)?

Department Response 22: See response #5 above.

Bidder Question 23: Will the Owner provide the full sign in sheet (in person and online) from the 10/5 Mandatory pre-bid?

Department Response 23: The roster of meeting attendees is provided in this addendum. See attached.

Bidder Question 24: Will the Owner please confirm that only spray products listed only as 'approved' are allowed for spray rehab use?

Department Response 24: Only those spray products listed only as 'approved' on the Department's Approved Products List are allowed for spray rehab use; there are no exceptions.

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:



Jeanette L. White, P.E.

Highway Division 14, Project Development-
Team Lead

MEETING MINUTES

IDIQ Pipe Liner Pre-Bid Conference

Date: October 5, 2026

Time: 5:01 PM – 6:54 PM (approx.)

Duration: 1 hr 53 min

Location: Hybrid (in-person + online Teams meeting)

Facilitator: Andy Russell, NCDOT District Engineer

Recorder: Daniel Olson (HDR)

1. Meeting Opening

- Meeting was delayed briefly due to technical issues.
 - Attendees were asked to sign in (in-person) or provide company name and address in the chat (online).
 - Introduction by **Andy Russell**, NCDOT District Engineer for Cherokee, Clay, Graham, Macon, Haywood, Jackson, Swain, Henderson, Polk, and Transylvania counties.
 - This pre-bid covers **three separate IDIQ contracts**:
 1. Fold-and-Form Liner
 2. Cured-in-Place Pipe (CIPP) Liner
 3. Spray-Applied Liner
-

2. General Contract Information (Applies to All Three Contracts)

2.1 Mandatory Pre-Bid Requirement

- Only bidders who attended and signed in are eligible to submit bids.

2.2 Pre-Qualification

- Contractors must be pre-qualified as **Purchase Order Contractors** before bid opening.

2.3 Questions Deadline

- All questions must be submitted by **5:00 PM same day** to **d14contracts@ncdot.gov**
- Responses will be distributed to all participants.

2.4 Contract Structure

- Non-exclusive, multiple-award IDIQ contracts.
- Work orders awarded to the lowest bidder for line items in work order.

2.5 Schedule

- Bid opening: **October 13**
- Date of availability: **November 9**
- Completion date: **November 8 (first year)**
- Up to **two optional 1-year renewals** (three-year total possible).

2.6 Financial Requirements

- **Performance/Payment Bonds** required for work orders > \$450,000, or at department's discretion
- **No mobilization pay**; incidental to other items.
- **Liquidated damages** based on the work order amount.

2.7 Expenditure Limits

- \$5,000,000 annual cap; no work orders issued once cap is reached.

2.8 Funding & Payroll

- State-funded contracts.
- **Certified payrolls NOT required.**

2.9 Bidding Requirements

- No unbalanced bids (e.g., penny bids).
- Execution of Bid, Non-Collusion, Debarment, and Gift Ban certifications required. Two separate individual signatures required (bidder + witness).
- Addendums must be downloaded, completed, and included in the bid package.

2.10 Traffic Control

- Traffic control now has **pay items**, not incidental.
- One "day" = 8 hours.
- Certified flaggers and installers required.

3. Fold-and-Form Liner Contract Discussion

3.1 Specifications

- Applies to 15"–48" pipes.
- Pre-installation video inspection required.
- Pipe cleaning requirements explained.
- Grouting of voids required prior to lining.
- Dewatering plan must be submitted.
- Invert paving requirements and host-pipe thickness testing discussed.

3.2 New Addendum

- "Pipe thickness testing per hole" will be added as a new pay item.

3.3 Obstructed Pipe Cleanout

- 10% obstruction: paid hourly as "Obstructed Pipe Cleanout".

4. Spray-Applied Liner Contract Discussion

4.1 Material Requirements

- Must use NCDOT **approved products** list.
- Includes cementitious, geopolymer, or other approved materials.

Question: *Is geopolymer the only cementitious material allowed?*

Answer: No. Any DOT-approved material may be used.

4.2 Inspections

- First post-installation inspection: **90–100 days** after completion.
- Second inspection: **30 days before end of 5-year warranty period.**

4.3 Pay Items

- Covers 30"–96"+ pipes.
- Same dewatering and cleanout provisions as other contracts.

5. Cured-In-Place Pipe (CIPP) Liner Contract Discussion

5.1 Specifications

- Similar pre-install requirements as other methods.
- Dewatering and disposal plan required.
- Post-installation inspections identical to spray-on liner.

5.2 Product & Size Notes

- Must be NCDOT-approved CIPP materials.
- Pay items up to **48"** included in contract; larger diameters (up to ~120") require **supplemental agreements**.

5.3 Testing & Invert Work

- Host pipe wall thickness measurement required (per spec).
 - Invert paving details clarified.
-

6. Work Order Procedures

- Contractors have **3 days** to accept, decline, or request modification of a work order.
 - Declining does **not** penalize a contractor unless there is a repeated pattern.
 - If declined, DOT moves to the next lowest bidder for that task.
 - Future opportunities for the declining contractor remain unaffected.
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7. Closing Items

- Bidders reminded:
 - Submit addendums with bid package.
 - Provide full contact and address information for attendance record.
 - Water source needs will be handled at the work-order level.
 - All bids must be **paper bids**, submitted before 2:00 PM on October 13.
-

8. Adjournment

- No further questions were raised.
- Meeting adjourned after a short open period for final attendance logging.



ANDY RUSSELL P.E. 10/5/2026

P1/3

DN

12233777, DN12239359, DN12239360.

IDIQ Pipe Liner

10/05/2026

Pre-Bid Meeting Attendance Roster
NCDOT Division 14 Office 253 Webster Rd Sylva NC 28779

Please Print Legibly

<u>Name*(Signature):</u>	<u>Company Name**:</u>	<u>Company Address</u>
CHAUNCEY STALEY	ATLANTIC INDUSTRIAL COATINGS	24498 JAMES MADSON HWY NEW CANTON, VA 23123
STAN MRAUSE	SAK Construction	864 Hoff Rd O'Fallon Mo. 63366
Case Hooper	Yellow Creek Contracting	37 Massey Branch Rd Robbinsville NC 28771
James Brown	M.d- ATLantic sewer	7 Corinne court wilmingston DE 19809
ANDY RUSSELL	NCDOT	191 ROBBINSVILLE RD. ANDREWS, NC 28901
Mark Stuck	Reynolds Fence + Guardrail	9320 Machado Dr Indian Trail 28079
Brody Sitten	NCDOT	178 Henry Bird Rd Whittier NC 28789
Daniel Olson	NCDOT	345 Toot Hollow Rd, Bryson City, NC.
James Hollingsworth	NCDOT	345 Toot Hollow Rd Bryson City, NC
~~N.F.E.T.P.~~		

*Person representing the company listed shall be an officer of the company or authorized employee to conduct business on behalf of the company.

**Company name shall reflect the full company name of the intended bidder. i.e. Division 14 dba The Department of Transportation



DN

12233777, DN12239359, DN12239360.

IDIQ Pipe Liner

10/05/2026

Online

Pre-Bid Meeting Attendance Roster
 NCDOT Division 14 Office 253 Webster Rd Sylva NC 28779

Please Print Legibly

Name*(Signature):Company Name**:Company Address

David Self

Hinterland Group LLC

2051 W. Blue Heron Blvd, Riviera Beach FL

Danielle Lee

Inliner Solutions LLC

100 Crescent Centre Pkwy. Tucker GA 30084.

Albert Pugliese

Proshot Concrete.

4158 Musgrave Drive Florence AL 35630

Andrew Baldwin

NCDOT

345 Toot Hollow Rd Bryson City

Kenneth McDowell.

NCDOT

345 Toot Hollow Rd Bryson City

Brandon Gerber

Vortex Services LLC

18150 Imperial Valley Dr. Houston, TX 77060

Adam Nick

Vortex Services LLC

18150 Imperial Valley Dr. Houston, TX 77060

Eric Simpson.

Inliner Solutions LLC ⁵²⁰⁷

Brer Rabbit Rd. Stone Mountain GA 30083

JP Saintsing

Nate Kennedy

vortex companies. LLC

18150 Imperial Valley Dr. Houston TX 77060

Troy Wilson.

NCDOT

4142 Haywood Rd Mills River NC

*Person representing the company listed shall be an officer of the company or authorized employee to conduct business on behalf of the company.

**Company name shall reflect the full company name of the intended bidder. i.e. Division 14 dba The Department of Transportation



DN
12233777, DN12239359, DN12239360.
IDIQ Pipe Liner
10/05/2026

Pre-Bid Meeting Attendance Roster
NCDOT Division 14 Office 253 Webster Rd Sylva NC 28779

Online.

Please Print Legibly

Name*(Signature):

Company Name**:

Company Address

Ross Cooke

Vortex Lining Systems LLC

18150 Imperial Valley Dr. Houston TX 77060

Craig Welsh

ANDY RUSSELL, P.E. 10/5/2026

*Person representing the company listed shall be an officer of the company or authorized employee to conduct business on behalf of the company.

**Company name shall reflect the full company name of the intended bidder. i.e. Division 14 dba The Department of Transportation

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12239360							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Amount
ROADWAY ITEMS							
0001	0000910000-N	SP	OBSTRUCTED PIPE CLEAN OUT	80	HR	\$	\$
0002	0000915000-N	SP	EMERGENCY MOBILIZATION	1	EA	\$	\$
0003	0000960000-E	SP	INVERT PAVING	200	SY	\$	\$
0004	0986000000-E	SP	PRE INSTALLATION INSPECTION	2500	LF	\$	\$
0005	0986000000-E	SP	30" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0006	0986000000-E	SP	36" PIPE REHABILITATION-SPRAY LINER	500	LF	\$	\$
0007	0986000000-E	SP	42" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0008	0986000000-E	SP	48" PIPE REHABILITATION-SPRAY LINER	500	LF	\$	\$
0009	0986000000-E	SP	54" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0010	0986000000-E	SP	60" PIPE REHABILITATION-SPRAY LINER	500	LF	\$	\$
0011	0986000000-E	SP	66" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0012	0986000000-E	SP	72" PIPE REHABILITATION-SPRAY LINER	300	LF	\$	\$
0013	0986000000-E	SP	78" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0014	0986000000-E	SP	84" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0015	0986000000-E	SP	90" PIPE REHABILITATION-SPRAY LINER	200	LF	\$	\$
0016	0986000000-E	SP	96" PIPE REHABILITATION-SPRAY LINER	300	LF	\$	\$
0017	0992000000-E	SP	DE-WATERING, 2" PUMP	20	EA	\$	\$
0018	0992000000-E	SP	DE-WATERING, 4" PUMP	20	EA	\$	\$
0019	0992000000-E	SP	DE-WATERING, 6" PUMP	20	EA	\$	\$
0020	2476000000-E	SP	HOST PIPE GROUTING	200	CY	\$	\$
0021	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	50	LF	\$	\$
0022	4600000000-N	SP	AUDIBLE WARNING DEVICES	2	EA	\$	\$
0023	4600000000-N	SP	PEDESTRIAN TRANSPORT SERVICE	1	EA	\$	\$
0024	4600000000-N	SP	TEMPORARY CURB RAMPS	2	EA	\$	\$
0025	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL (SHOULDER CLOSURES)	50	HR	\$	\$
0026	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL (2-LANE 2-WAY)	50	HR	\$	\$
0027	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL (2-LANE 2-WAY WITH 2-WAY TURN LANE)	50	HR	\$	\$
0028	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE DIVIDED ROADWAY (< 60 MPH)	40	HR	\$	\$
0029	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE DIVIDED ROADWAY (>= 60 MPH)	25	HR	\$	\$
0030	4605000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE UNDIVIDED ROADWAY	25	HR	\$	\$

0031	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL (SHOULDER CLOSURES)	10	DAY	\$	\$
0032	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL (2-LANE 2-WAY)	10	DAY	\$	\$
0033	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL (2-LANE 2-WAY WITH 2-WAY TURN LANE)	10	DAY	\$	\$
0034	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE DIVIDED ROADWAY (< 60 MPH)	15	DAY	\$	\$
0035	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE DIVIDED ROADWAY (>= 60 MPH)	10	DAY	\$	\$
0036	4609000000-N	SP	TEMPORARY TRAFFIC CONTROL MULTI-LANE UNDIVIDED ROADWAY	10	DAY	\$	\$
0037	0992000000-E	SP	PIPE THICKNESS TESTING	20	EA	\$	\$
Total Amount Of Bid For Entire Project:							\$

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12239360

Contractor: _____

Address: _____

Phone: _____ Federal ID: _____

Contractor License Number (If Available): _____

Authorized Agent: _____ Title: _____

Signature: _____ Date: _____