### **LURAY TOWN COUNCIL**

September 23, 2025 5:30 p.m.

### SPECIAL MEETING AGENDA

Council Chambers – Town Office 45 East Main Street, Luray, VA 22835

I.	CALL TO ORDER & PLEDGE OF ALLEGIANCE	Mayor Lillard
II.	ROLL CALL	Danielle Alger
III.	UPDATES & DISCUSSION ITEMS  A) Blue Ridge CASA  B) Tennis Court Rehabilitation  C) Parks Maintenance Policy  D) Bridge Maintenance Report  E) Food Trucks	Alexis Mackey Jen Jenkins Jen Jenkins Bryan Chrisman Bryan Chrisman
IV.	ACTION ITEMS  A) VML Voting Candidates  B) Code Amendment Referral Resolution – Food Trucks/Mobile Units	Mayor & Council
V.	COUNCIL COMMENTS	Council Members
VI.	MAYORS ANNOUNCEMENTS	Mayor Lillard
VII.	ADJOURN	Mayor Lillard

The meeting will be live streamed on the Town's website. Please submit any public comments concerning the agenda items through any of the following means: Attendance at meeting; Email – <a href="mailto:bchrisman@townofluray.com">bchrisman@townofluray.com</a>; Mail – Luray Town Council, Attention Bryan Chrisman, Post Office Box 629, Luray VA, 22835; Hand Delivery – Place in exterior DROP BOX in the alcove located at the front of the Town's Town Hall facing Main Street; or Phone – (540) 743-5511. All comments must be submitted by 12 noon on the day of the meeting and will be read aloud at the meeting.

Town of Luray PO Box 629 45 East Main Street Luray, VA 22835 www.townofluray.com 540.743.5511



### Mayor

Stephanie Lillard slillard@townofluray.com Term: 2025-2028

### **Council Members**

Jason Pettit

jpettit@townofluray.com Term: 2025-2028

Joey Sours

jfsours@townofluray.com Term: 2025-2028

Chuck Butler

cbutler@townofluray.com Term: 2025-2028 Alex White

awhite@townofluray.com Term: 2023-2026

Jerry Dofflemyer jdofflemyer@townofluray.com

Term: 2025

Ron Vickers, Vice Mayor

rvickers@townofluray.com Term: 2023-2026

#### Town Officials:

Town Manager – Bryan Chrisman
Assistant Town Manager- Michael Coffelt
Planning & Zoning Technician – Brooke Newman
Town Clerk/ Treasurer- Danielle Babb
Deputy Town Clerk/ Treasurer- Danielle Alger
Chief of Police- Bow Cook
Superintendent of Public Works- Lynn Mathews
Superintendent Parks & Recreation-Jennifer Jenkins
Superintendent of the WTP – Joey Haddock
Superintendent of the WWTP – John Sonifrank

### Commissions & Committees:

Luray Planning Commission
Luray-Page County Airport Commission
Luray Tree and Beautification Committee
Luray Board of Zoning Appeals
Luray Downtown Initiative
Luray-Page County Chamber of Commerce





# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Updates & Discussion Items
IIIA. Blue Ridge Casa



### Town of Luray, Virginia Town Council Agenda Statement

Item No: III-A

Meeting Date: September 23, 2025

Agenda Item: TOWN COUNCIL UPDATES & DISCUSSION

Item III. A – Blue Ridge CASA

Summary: Council is requested to receive an update from Alexis Mackey with Blue Ridge

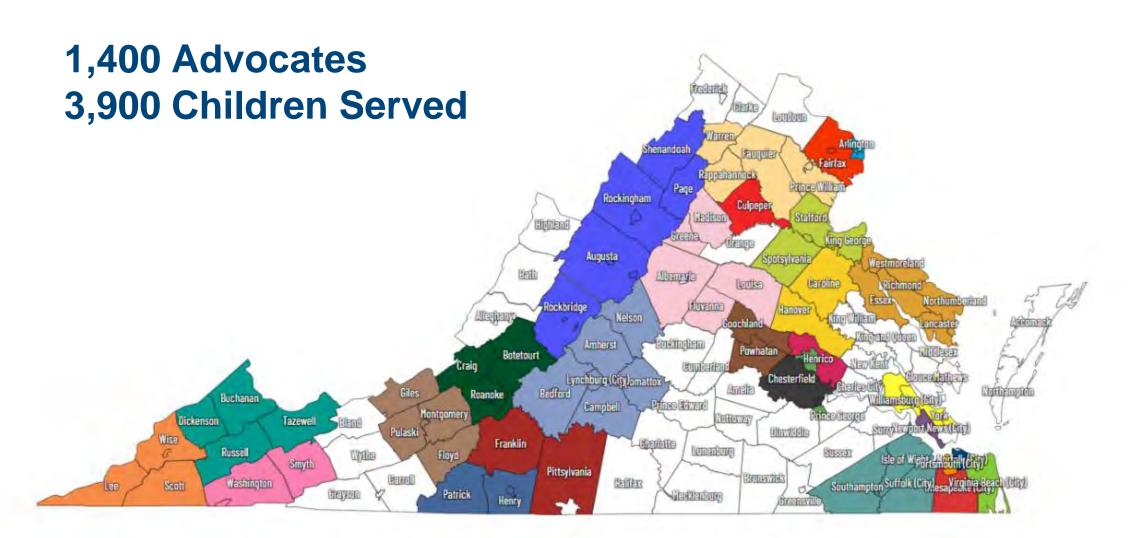
CASA.

A copy of her presentation is attached for your review in advance of the meeting.





# Virginia CASA





# Current Outlook



### Shenandoah:

11 Volunteers

30 Children in Foster Care

10 being served by Blue Ridge CASA

## Page:

3 Volunteer

39 in Foster Care

8 being served by Blue Ridge CASA

6 in training currently!





## **Our Mission**

Blue Ridge CASA for Children is a nonprofit organization advocating for children who have experienced abuse and/or neglect through recruitment, training, and supervision of community volunteers.

## **Our Vision**

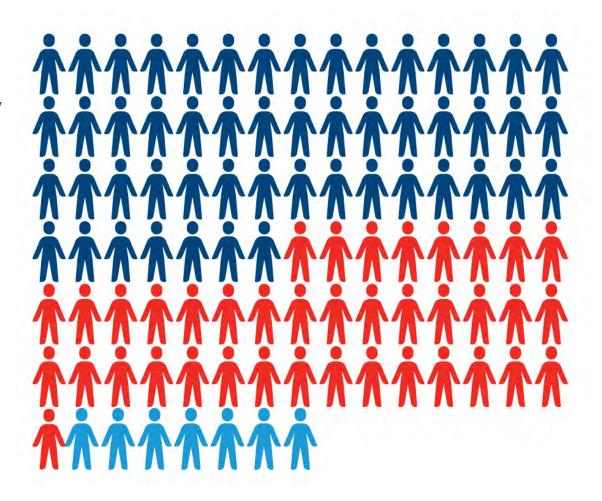
Every abused and neglected child will have a trained volunteer advocating for their best interest.

Currently, there are over 300 children in our service area waiting for a CASA.

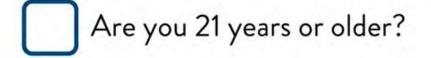


# Blue Ridge CASA for Children

- Non-profit founded in 1994 first advocates trained and inducted by 1995
- 4 service areas covering 5 counties
- 90 Volunteer Advocates (\*FY 25)
- 144 Children Served (\*FY 25)
- Funding: Grants, Events,
   Donations







Do you have the tech skills to use Gmail, Zoom, and Google Docs/Word?

- Are you able to pass a background check?
- Are you able to make a 1 year commitment?

- Do you have 6 hours to give each month?
- Do you want to make a difference in a child's life?

# Fundraisers



**Mustaches for Kids** 



Top Chef Harrisonburg

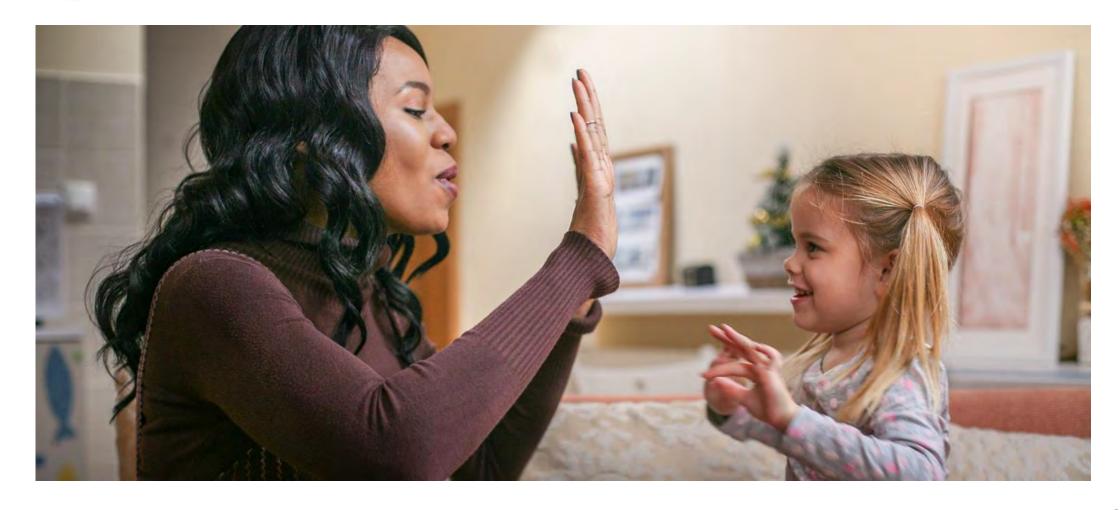


Firebolt 5K and the Race of 100 Harrys





# Questions or Comments?









# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Updates & Discussion Items

IIIB. Tennis Court Rehabilitation



### Town of Luray, Virginia Town Council Agenda Statement

Item No: III-B

Meeting Date: September 23, 2025

Agenda Item: TOWN COUNCIL UPDATES & DISCUSSION

Item III. B – Tennis Court Rehabilitation

Summary: Council is requested to receive an update from Jen Jenkins about the proposal to

rehabilitate/replace the Tennis Court near Inn Lawn Park.

The property belongs to the Luray Park Board.

One of the topics for discussion could be building a new court at the Ralph H. Dean Recreational Park after saving as much of the fencing as possible from the current site. Based on the professional evaluation, further repairs are not advised.

Conversion of the current court area to a gravel or paved parking area for use by visitors to the American Legion or Inn Lawn Park could be a possible site use.

With the Master Land Use Plan for the Park currently being evaluated, we believe it will certainly benefit the Town to construct a replacement court at the RHD Rec Park.

If the Council is so inclined, staff can evaluate the potential layout and obtain additional information.



P.O. Box 297, Aylett, Virginia 23009

Office (804) 769-3030 Richmond (804) 730-1922 FAX (804) 769-3206 www.TennisCourtsInc.net

August 15, 2025

Town of Luray PO Box 629 Luray, VA 22835

Attn: Jennifer Jenkins <u>ienjenkins@townofluray.com</u> Re: Inn Lawn Park; 108 Zerkel Street, Luray VA 22835

Scope of Work: Mill and Rebuild One (1) Tennis Court with New Asphalt. Including: New Net Post and Net. Approx. 120'x59'

- Remove fence fabric and stockpile onsite to reinstall upon completion of construction.
- 2. Remove and dispose of existing net post footings and center anchor footings.
- 3. Mill in place old asphalt using the stone and/or the millings to create a new base for the tennis courts.
- 4. Reshape, laser grade and compact existing stone base and millings to 1% slope.
- 5. Furnish and Install one (1) set of tennis net post sleeves in concrete 2' in diameter by 4' deep.
- 6. Furnish and Install one (1) center anchors in concrete 12" in diameter by 18" deep.
- 7. Place and compact 1.5" leveling course virgin mix asphalt over same.
- 8. Place and compact 1.5" surface course virgin mix asphalt over same.
- 9. Furnish and apply first coat of acrylic resurfacer.
- 10. Flood tennis court. Check for low areas after drainage of the area has ceased or after one (1) hour at 70° or above in sunlight as specified by the American Sports Builders Association. Areas retaining water that cover a nickel will be patched to the best of our ability using acrylic crack and leveling compound.
- 11. Furnish and apply second coat of resurfacer.
- 12. Furnish and apply the acrylic color finish system, consisting of one (1) textured color filler coats and one (1) textured color finish coat. This includes standard colors.
- 13. Layout, tape and hand paint 2" white playing lines on one (1) tennis court.
- 14. Furnish and install new heavy-duty net posts, net, and center straps.

Price for Above: \$101,757.00	
Accepted by:	Date:
Option I: Full Depth Reclamation (FDR)	
<ol> <li>Mill existing tennis court to a depth of 12". To subbase; portland cement will be added during</li> </ol>	help create additional stability, structural integrity and long-term durability to the existing g milling operation.
Price for Above: \$24,975.00 (in addition to original sco	pe of work)
Accepted by:	Date:

Owner is to provide access to sufficient water supply. If provided water supply is not sufficient or if no, water is available on site, TCI will provide a water truck and customer agrees to an additional fee of \$1,000.00 for the water truck. By signing this agreement, owner or owner's agent agrees to this condition

Please Note: Due to the significant volatility in the worldwide steel industry and petroleum industry, the prices quoted are based on the date of this proposal, gas prices not exceeding \$4.00 per gallon and the current VDOT asphalt index at the time of contract. Any subsequent price increase from the date of this proposal from the supplier to Tennis Courts, Inc. will be passed on to the customer. Please Note: As recommended by the American Sports Builders Association and Tennis Courts, Inc., your courts should be re-colored every 5-8 years, depending upon use, in order to protect your investment.

JB Vaughan Estimator

Tennis Courts, Inc. Cell: (804)761-5035

jb@tenniscourtsinc.net









# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Updates & Discussion Items IIIC. Parks Maintenance Policy



### Town of Luray, Virginia Town Council Agenda Statement

Item No: III-C

Meeting Date: September 23, 2025

Agenda Item: TOWN COUNCIL UPDATES & DISCUSSION

**Item III. C – Parks Maintenance Policy** 

Summary:

Council is requested to receive an update from Jen Jenkins about establishing a Maintenance Policy for items donated and/or named. These items include benches, tables, plaques, monuments, etc.

After a period of time, the items become worn and in need of maintenance.

The initial funds donation from the park patron was enough (typically) to purchase and install the item. Maintenance and care from that point after is left up to the Town Parks staff using taxpayer dollars.

In many cases, the patron donates an item in memory or honor of someone. The original donor, or their family, would be given first choice to repair or replace their item. If they elect not to do so within a reasonable time, there are waiting lists of potential patrons who would enjoy the opportunity to donate.

Given the considerable number of items donated and placed in our parks and along the Greenway, the Department would like to implement a policy to manage these issues fairly and in a considerate way - all while keeping public funding expenditures as low as possible.

### Town of Luray Donations and Memorial Items Policy and Guidelines

#### Purchase and Installation Timeline:

- Donations are typically coordinated through partner non-profit organizations including the Hawksbill Greenway Foundation and Page Alliance for Community Action.
- At the time of the donation, donors may request an opportunity to retrieve the donated item when removed from service at the end of the item's useful lifespan.
- Donated items are purchased and installed as the Town's budget and staffing allows.
- The timing for purchase and installation of donation items is at the sole discretion of the Town of Luray.
- The location for placement and installation of donated items is at the sole discretion of the Town of Luray unless otherwise agreed by the Town.
- A list of interested donors will be maintained by the Town of Luray and/or the Hawksbill Greenway Foundation. Available donations will be offered to individuals/groups in order of date they were added.

### Acceptable Items:

- Make and style of donation items, including tree and plant species, will be determined by the Town of Luray.
- Preference is given to items which are covered by a manufacturer warranty and are comprised of low-maintenance and durable materials, such as recycled plastic, powder coated metal, etc.
- The Town reserves the right to decline acceptance of items not sourced by the Town of Luray.

### Ownership, Maintenance and Removal:

- All donated items are the property of the Town of Luray.
- The Town provides maintenance and repair of donated items until the end of their useful lifespan as determined by the Town.
- Inspections are conducted by the Town of Luray according to ASTM F1487 Consumer Safety Performance Specifications and the CPSC (Consumer Product Safety Commission) Public Playground Safety Handbook.
- Upon inspection, if an item is found to be defective or damaged, the Town of Luray may proceed with repairs or removal as necessary without notice to donor.
- The Town typically considers replacement of a donated item when historical repair costs exceed 25% of replacement cost.

- In the case of removal, the Town will make a reasonable effort to provide notice to the donor for the item if the donor's current contact information is known by the Town.
- Donor will have the opportunity to retrieve the removed item and donate a replacement item at that same location.
- The Town will offer the location of the replacement item to other donors if the previous donor declines to donate a replacement within three months.
- The make, style and/or species of replacement items will be determined by the Town of Luray and may not be of same style as original donation.

#### Memorial and Personal Items:

- The Town of Luray typically provides a personalized plaque or sign that is displayed on or near donated items.
- No other personal or memorial items may be placed with the donated item such as markers or signs, flowers, flags, photos, or other decorative items.
- Personal items will be removed by the Town of Luray without notice.
- The Town may provide a reasonable opportunity for the items to be retrieved by the donor. Otherwise, items removed by the Town will be discarded.



Luray, VA 22835

September 11, 2025

Dear Donor,

On behalf of the Town of Luray, we sincerely thank you for your generous support through the donation of a bench. Your contribution has provided countless residents and visitors with a place to gather, reflect, and enjoy our community spaces over the years.

With time, the bench has served its useful lifespan and is unfortunately no longer safe for public use. For that reason, the Town will be retiring the bench from service. If you would like to retrieve the engraved boards, we will be glad to make those available to you for the next 30 days. Any engraved boards not retrieved by DATE will then be discarded.

We would also like to extend the opportunity for you to continue your sponsorship through a replacement bench for the next three months. Our updated bench model comes with a 50-year warranty on parts, ensuring a long-lasting memorial for the future.

To coordinate pickup of the engraved boards and/or to discuss sponsoring a replacement bench, please contact me at jenjenkins@townofluray.com

Thank you again for your past support and for helping us maintain welcoming, safe, and beautiful spaces for our community.

With gratitude,

Jen Jenkins Superintendent, Parks & Recreation Town of Luray

Phone: (540) 743-5511 ● Fax: (540) 743-1486 ● www.townofluray.com



45 East Main Street P.O. Box 629 Luray, VA 22835

September 11, 2025

Dear Donor,

The Town of Luray sincerely appreciates your support and generosity in donating a memorial tree to our community. Your gift has provided beauty and meaning to our shared spaces, and we are grateful for your contribution.

In order to ensure proper care of the grounds and to allow for regular maintenance operations, we must kindly ask that all memorial items placed at the tree, excluding the sponsored plaque, be removed within the next 14 days.

Any remaining after <u>DATE</u> will be carefully collected and held for pickup at the Parks and Recreation Office, 625 Sixth Street, Luray, VA 22835 for a period of 30 days. <u>Any items not retrieved by DATE will then be discarded</u>. To coordinate pickup, please contact me at jenjenkins@townofluray.com

We are truly thankful for your generosity and understanding as we work to keep our parks safe, accessible, and well-maintained for everyone.

With appreciation,

Jen Jenkins Town of Luray Superintendent, Parks & Recreation

Phone: (540) 743-5511 ● Fax: (540) 743-1486 ● www.townofluray.com

	Luray Parks and Recreation Safety Inspection Form							
Inventory #		Locati	on			Last Inspection		
Condition		Style	Э			Color		
Enscription Type		Donor N	ame			Donor Phone/Email		
				Text/E	nscription			
				Assassm	ent Checklist			
Defec	\ <sub>+</sub>	Yes	No	#	Т	Notes		
Surface Uneven/Cra		163	INU	#		Motes		
Frame Rusted/Bent Boards Rotten/Deca								
Boards Loose	ayeu/Crackeu							
Boards Missing Hardware Broken/Missing								
Protruding Edges/H Paint/Stain Faded/F								
Other	ccuig							
					<u> </u>			
Recommended A	ction							
			Asse	ssment a	and Repair Hist	ory		
Date		Work	Descri	ption		Cost	Notes	

Assessment and Repair Histo	orv	
Accessment and Repair Floor	, , , , , , , , , , , , , , , , , , ,	
Notes		

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# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Updates & Discussion Items
IIID. Bridge Maintenance Report



### Town of Luray, Virginia Town Council Agenda Statement

Item No: III-D

Meeting Date: September 23, 2025

Agenda Item:

TOWN COUNCIL UPDATES & DISCUSSION

Item III. D – Bridge Maintenance

Summary:

Council is requested to receive an update from the Town Manager regarding the Bridge Condition Report that was distributed to Council at their September 8, 2025, regular meeting. An electronic pdf version is included for review.

The Town's bridge inspection engineers-Schwartz & Associates compiled the current report and provided recommendations and their associated cost estimates.

The Town has a remarkably high number of National Bridge Inventory (NBI) structures for its population and size. Maintenance for these structures falls solely to the Town since the Town maintains its own streets. Bridge structures are the single most expensive item to build, replace, or maintain in our transportation inventory.

VDOT provides annual maintenance allocations for helping Luray maintain its transportation networks for all types of transportation features – vehicular, pedestrian, storm drainage, snow & ice removal, engineering, traffic signals, signs, line marking paving and concrete, sidewalks, and bridges.

One concept for on-going bridge maintenance is to expend a portion of each year's maintenance allocation monies towards bridge repair and rehabilitation. This will significantly reduce funds available for other maintenance purposes and needs.

The Town has previously requested that VDOT establish a Bridge Maintenance Bank at the district or state level whereby the Town could "bank" a portion of its annual VDOT allocation each fiscal year, and then when enough monies had been "saved", to use those monies for the needed bridge maintenance activities.

Since 100% of VDOT annual allocation funds have to be expended in the Fiscal Year they are assigned, we have been advised that such a Bank is impossible to create. Even if the Town enters into a formal Project Administration Agreement PAA) with VDOT (with its associated budget), the monies can only be used for the stated purpose, and VDOT gets to keep the interest earned on the "saved funds", the process has been deemed non-viable.

In order to attract bridge maintenance contractor interest, we need a large-enough "bundle" of work/dollars to make the mobilization and work worth the contractor's time. Bundles of this size cost quite a bit, which impacts the Town's ability to complete other needed transportation-related work in that same FY.



Schwartz & Associates, Inc. May 15, 2025

Comm. #2025022



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VI.	STRUCTURES REQUIRING SNOOPER FOR ACCESS	9
VII.	INDIVIDUAL BRIDGE SUMMARIES	
	1016 – Rte 211 Bus. WBL (Lee Hwy) over Dry Run	.25-35 .36-44 .45-48 .49-54 .55-66 .67-75
VIII.	BRIDGE BUNDLING	.90-95

### I. Introduction

This Comprehensive Bridge Condition Report was prepared to evaluate the condition of all the bridges and culverts the Town of Luray is currently responsible for inspecting. There are a total of nine (9) structures in the Town of Luray consisting of six (6) bridges and three (3) culverts.

This report was prepared by obtaining information from the most recent Bridge Safety Inspection Reports provided by the Town of Luray, Structure Inventory and Appraisal Forms provided by VDOT and by a team of inspectors visiting each site. Most information was obtained from the site visit which consisted of verifying conditions stated in recent reports, evaluation of changed conditions since the most recent reports, and to evaluate and report any urgent recommendations. No urgent recommendations are necessary.

The report categorizes the structures into the following categories:

- Structures Recommended for Replacement
- Structures Recommended for Major Repair
- Structures Recommended for General Maintenance

Structures in each category are accompanied by cost estimates for repairs. Many structures include items for repair within several categories. The General Maintenance items are typically items that are less costly, some of which may be performed by Town forces.

A "Priority Action List" has been developed to assist the Town in budgeting and scheduling the repairs for structures. This list prioritizes the structures based upon each individual structure's need for repair. Also shown on this list is the respective cost estimate for the repairs involved. These cost estimates do not include costs for utility relocation, additional right-of-way easements nor does it include roadway approach work.

In addition, a list of "Bridge Bundles" was developed. Each bundle lists maintenance activities for bridge structures that need such work. Included with this is a full cost estimate, including preliminary engineering, construction, construction inspection, advertising/bidding and contingency. The bundled maintenance packages will be prioritized based on most important needs first (i.e., Package #1, Package #2, etc.).

### II. Summary

Due to conditions that could potentially shorten the bridge's in service life, one (1) structure is listed that requires "Replacement" and four (4) are listed that require "Major Repair." There are three (3) structures that require "General Maintenance." These structures are listed below:

### **Replacement:**

- 1. Route 211 Business (Lee Highway) WBL over Dry Run, Structure No. 1016
  - a) Failed deck joint seals.
  - b) Delaminated concrete in deck overlay.
  - c) Delaminated shotcrete on deck underside.
  - d) Spalled and delaminated concrete on Piers.

### **Major Repair:**

- 1. Route 731 (Collins Avenue) over Norfolk Southern Railway, Structure No. 8001
  - a) Failed deck joint seals.
  - b) Delaminated concrete in deck.
  - c) Spalled/delaminated concrete in substructure.
  - d) Failure of structural steel paint system and section loss in structural steel.
- 2. Route 731 (Collins Avenue) over Route 211 Bypass, Structure No. 8002
  - a) Failed deck joint seals.
  - b) Delaminated concrete in substructure.
  - c) Deteriorated deck concrete.
  - d) Paint system failure.
- 3. Route 211 Business (Lee Highway) EBL over Dry Run, Structure No. 1050
  - a) Paint system failure.
  - b) Leaking expansion joints.
  - c) Spalled/delaminated concrete in substructure.
- 4. Route 340 over Hawksbill Creek, Structure No. 1800
  - a) Leaking expansion joints.
  - b) Bare concrete deck.

### **General Maintenance:**

The three (3) reinforced concrete box culverts are each included in this group.

### **III. LIST OF STRUCTURES**

STRUCTURE				
NO.	ROUTE	CROSSING	TYPE	DESCRIPTION
1016	Rte 211 Bus. WBL (Lee Hwy)	Dry Run	BRIDGE	Five reinforced concrete T-Beam spans
1050	Rte 211 Bus. EBL (Lee Hwy)	Dry Run	BRIDGE	Two simple steel beam spans
1800	Rte 340	Hawksbill Creek	BRIDGE	Two span continuous curved plate girder
1801	Norfolk Southern Railway	Hawksbill Creek	VERTICAL ONLY	
1802	Rte 211 Bus. (Main St.)	Hawksbill Creek	BRIDGE	One simple steel girder span
6035	Rte 656 (Wallace Avenue)	Dry Run	CULVERT	Four-barrel concrete box culvert
8001	Rte 731 (Collins Avenue)	NS Railway	BRIDGE	Three simple span steel beam
8002	Rte 731 (Collins Avenue)	Rte 211 bypass	BRIDGE	Two span continuous steel girder
8003	Linden Avenue	Hawksbill Creek	CULVERT	Six barrel reinforced concrete box culvert
8004	Mechanic Street	Hawksbill Creek	CULVERT	Six-barrel box culvert

### **IV. PRIORITY ACTION LIST**

<b>Priority</b>	STRUCT#	ROUTE	CROSSING	CONDITION	Estimated Cost
1	1016	Route 211 Bus. (Lee Hwy) WBL	Dry Run	Fair	Replacement: \$5,478,823
2	8001	Route 731 (Collins Avenue)	NS Railroad	Good	\$1,774,655
3	8002	Route 731 (Collins Avenue)	211 Bypass	Fair	1,702,456
4	1050	Route 211 Bus. (Lee Hwy) EBL	Dry Run	Good	\$715,066
5	6035	Route 656 (Wallace Avenue)	Dry Run	Good	\$125,957
6	1800	Route 340	Hawksbill Creek	Good	\$218,782
7	8004	Mechanic Street	Hawksbill Creek	Good	\$130,593
8	8003	Linden Avenue	Hawksbill Creek	Good	\$139,401
9	1802	Route 211 Bus. (Main St.)	Hawksbill Creek	Good	\$34,279

TOTAL: \$10,320,012

### V. Summary of Recommendations

STRUCT #	ROUTE	CROSSING	CONDITION	Recommendations	Estimated Cost
BRIDGE 1016	Route 211 Bus. WBL (Lee Hwy)	Dry Run	Replace structure.	Replacement: \$5,478,823	
BRIDGE 1050	Route 211 Bus. EBL (Lee Hwy)	Dry Run	GOOD	<ol> <li>Replace joints at Abutments and Pier.</li> <li>Clean and paint structural steel.</li> <li>Tighten loose bolts in diaphragm connections.</li> <li>Shotcrete delaminated and spalled concrete on substructure.</li> <li>Clean and repair deck drain scuppers.</li> <li>Add epoxy/sand waterproofing to rails.</li> <li>Upgrade approach guardrail and terminal ends to current VDOT standards.</li> </ol>	\$715,066
1800	Route 340	Hawksbill Creek	GOOD	Replace compression seals.     Upgrade fixed object attachment (run-on) and replace damaged section of guardrail.     Add epoxy/sand overlay to deck.     Replace missing and tighten loose railing toggle bolts.	\$218,782
1802	Route 211 Bus. (Main St.)	Hawksbill Creek	GOOD	Repair spalled/delaminated concrete in pre- existing breastwalls.	\$34,279

### **Summary of Recommendations con't**

STRUCT #	ROUTE	CROSSING	CONDITION	Recommendations	Estimated Cost	
CULVERT 6035	Route 656 (Wallace Avenue)	Dry Run	GOOD	<ol> <li>Remove debris from culvert.</li> <li>Repair spalled/delaminated concrete.</li> <li>Seal cracks.</li> </ol>	\$125,957	
BRIDGE 8001	Route 731 (Collins Avenue)	NS Railway	GOOD	<ol> <li>Repair settled drainage apron at Abutment B.</li> <li>Clean and paint structural steel.</li> <li>Remove debris from bearing seats.</li> <li>Repair areas of delaminated and spalled concrete on substructures.</li> <li>Replace broken anchor bolts.</li> <li>Upgrade approach guardrail to meet current VDOT standards.</li> <li>Replace missing railing toggle bolts.</li> <li>Reconstruct pier and abutment expansion joints.</li> <li>Repair deck.</li> <li>Add latex concrete overlay to deck.</li> <li>Mill and repave approaches.</li> <li>Repair erosion adjacent to Abutment A drainage apron and Abutment A end of sidewalk.</li> </ol>	\$1,774,655	
BRIDGE 8002	Route 731 (Collins Avenue)	211 Bypass	FAIR	<ol> <li>Reconstruct joints at Abutment A and B.</li> <li>Replace toggle bolts on railing with toggle bolts compatible with aluminum.</li> <li>Repair spalled and delaminated areas in substructure.</li> <li>Repair slope protection.</li> <li>Upgrade approach guardrail to meet current VDOT standards.</li> <li>Clean and paint structural steel.</li> <li>Repair deteriorated deck concrete.</li> <li>Add epoxy/sand overlay to deck.</li> </ol>	\$1,702,456	
Culvert 8003	Linden Avenue	Hawksbill Creek	GOOD	<ol> <li>Remove debris from barrel #6.</li> <li>Upgrade approach guardrail terminals.</li> <li>Build up approach shoulders.</li> </ol>	\$139,401	
Culvert 8004	Mechanic Street	Hawksbill Creek	GOOD	<ol> <li>Extend deck drains bellow bottom of deck.</li> <li>Replace broken/loose toggle bolts in railing.</li> <li>Remove debris.</li> <li>Upgrade approach guardrail.</li> <li>Repair spalled/delaminated concrete.</li> </ol>	\$130,593	

### VI. STRUCTURES REQUIRING SNOOPER FOR ACCESS

STRUCT #	ROUTE	CROSSING	Special Insp.	Equipment	Month Due	Frequency
1016	Rte 211 Bus. WBL (Lee Hwy)	Dry Run	None	Snooper	September	24 Months
1050	Rte 211 Bus. EBL (Lee Hwy)	Dry Run	None	Snooper	September	24 Months
1800	Rte 340	Hawksbill Creek	None	Snooper	September	24 Months
1802	Rte 211 Bus. (Main St.)	Hawksbill Creek	None	Snooper	September	24 Months
6035	Rte 656 (Wallace Avenue)	Dry Run	None	None	September	24 Months
8001	Rte 731 (Collins Avenue)	NS Railway	None	Snooper	September	24 Months
8002	Rte 731 (Collins Avenue)	Rte 211 bypass	None	Snooper	September	24 Months
8003	Linden Avenue	Hawksbill Creek	None	None	September	24 Months
8004	Mechanic Street	Hawksbill Creek	None	None	September	24 Months

#### ROUTE 211 BUSINESS (LEE HIGHWAY) WBL OVER DRY RUN

Structure No. 1016

<u>Type of Structure:</u> Bridge – Five span reinforced concrete T-Beam

Year Built: 1923 Year Repaired: 1957

<u>Condition of Structure:</u> The General Condition of this Structure is FAIR. The following deficiencies have

been noted:

1. Concrete overlay on deck has cracking and delamination.

2. Bottom of deck has map cracking and delaminated concrete.

3. All deck expansion joints leaking.

4. Beams, diaphragms, pier caps and columns, and breastwall at both abutments have delaminated/spalled concrete.

5. Concrete Scale on Pier columns and footings.

6. Debris in channel against Pier 3.

7. Approach pavement at Abutment A breaking up/settled.

8. Guardrail bridge attachments and terminals are non-standard.

Recommendations:

<u>Structure Replacement:</u> Structure should be completely replaced.

Comments: None.

Estimated Costs: The total estimated cost for Replacement is \$5,478,823.

#### ESTIMATED COST OF REPLACEMENT ROUTE 211 BUSINESS (LEE HIGHWAY) WBL OVER DRY RUN, #1016

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$244,000	\$244,000
Maintenance of Traffic	1	LS	\$170,800	\$170,800
Dismantle & Removal of Existing Structure	1	LS	\$219,600	\$219,600
Bridge Structure	1	LS	\$2,647,400	\$2,647,400
Roadwork	1	LS	\$195,200	\$195,200
Approach Slabs	1	LS	\$109,800	\$109,800
Steel Piling	300	LF	\$110	\$33,000
Steel Pile Points	14	EA	\$134	\$1,876
Class II Riprap	150	SY	\$195	\$29,250
Temporary Crossovers	1	LS	\$207,400	\$207,400

SUBTOTAL= \$3,858,326

ENGINEERING & CONTINGENCY @ 42%= \$1,620,497

GRAND TOTAL= \$5,478,823

#### PHOTO SHEET STR. # 1016



#### APPROACH ELEVATION LOOKING FROM ABUTMENT B TO ABUTMENT A.



ABUTMENT B APPROACH GUARDRAIL, RIGHT SIDE.



ABUTMENT B APPROACH GUARDRAIL, LEFT SIDE.



ABUTMENT A APPROACH GUARDRAIL, LEFT SIDE.



ABUTMENT A APPROACH GUARDRAIL, RIGHT SIDE.



APPROACH ELEVATION LOOKING FROM ABUTMENT A TO ABUTMENT B.



SIDE ELEVATION LOOKING UPSTREAM.



SIDE ELEVATION LOOKING DOWNSTREAM.



PIER 4 JOINT LEAKING.



DECK OVERHANG, DOWNSTREAM SIDE. NOTE SPALLED AND DELAMINATED CONCRETE.



SPAN 3, BAY 2 DECK UNDERSIDE. NOTE MOISTURE SEEPAGE AND EFFLORESCENCE.



PIER 3, COLUMN 3. NOTE DELAMINATED CONCRETE.



SPAN 4, BAY 2. NOTE MOISTURE SEEPAGE.



PIER 4 CAP. NOTE DELAMINATED CONCRETE WITH EFFLORESCENCE.



SPAN 5, BEAM 2. NOTE SPALLED CONCRETE.



SPAN 1 DECK, TRAVEL LANE.



SPAN 1 DECK, PASSING LANE.



SPAN 2 DECK, PASSING LANE.



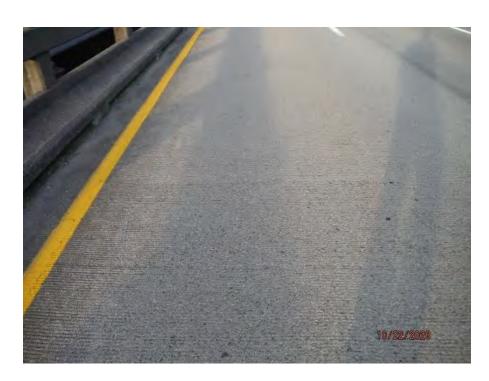
SPAN 2 DECK, TRAVEL LANE.



SPAN 3 DECK, TRAVEL LANE.



SPAN 3 DECK, PASSING LANE.



SPAN 4 DECK, PASSING LANE.



SPAN 4 DECK, TRAVEL LANE.



SPAN 5 DECK, PASSING LANE.



SPAN 5 DECK, TRAVEL LANE.

#### ROUTE 211 BUSINESS (LEE HIGHWAY) EBL OVER DRY RUN

Structure No. 1050

<u>Type of Structure:</u> Bridge – Two simple steel beam spans.

Year Built: 1966 Year Repaired: n/a

<u>Condition of Structure:</u> The General Condition of this Structure is GOOD.

- 1. Concrete overlay on deck has area of delamination.
- 2. Deck expansion joints are leaking.
- 3. Heavy rust/corrosion on structural steel.
- 4. Loose bolts in diaphragm connections.
- 5. Abutments and Pier have delaminated/spalled concrete.
- 6. Flood debris beneath structure.
- 7. Approach guardrail and terminals are non-standard.

#### Recommendations:

Major Repairs: 1. Replace joints at Abutments and Pier.

- 2. Clean and paint structural steel.
- 3. Tighten loose bolts in diaphragm connections.
- 4. Shotcrete delaminated and spalled areas on substructure.
- 5. Clean and repair deck drain scuppers.
- 6. Remove flood debris from channel.
- 7. Upgrade approach guardrail and terminal ends to current VDOT standards.
- 8. Add epoxy/sand overlay to rails.

Comments: None.

Estimated Costs: The total estimated cost for Repairs is \$715,066.

#### ESTIMATED COST OF REPAIRS EBL ROUTE 211 OVER DRY RUN, #1050

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$47,120	\$47,120
Preformed Elastomeric Joint Sealer	84	LF	\$192	\$16,128
Prepare and paint existing structure	1	LS	\$186,000	\$186,000
Environmental Protection, Health and Safety	1	LS	\$86,800	\$86,800
Disposal of Material	1	LS	\$6,200	\$6,200
Tighten loose bolts	7	EA	\$310	\$2,170
Shotcrete	120	SF	\$267	\$32,040
Clean deck drains	1	LS	\$3,100	\$3,100
Cut vegetation	1	LS	\$1,240	\$1,240
Maintenance of Traffic	1	LS	\$66,960	\$66,960
Remove existing guardrail	100	LF	\$9	\$900
Guardrail, St'd. GR-2	37.5	LF	\$35	\$1,313
Guardrail, St'd. GR-2 (Rad)	25	LF	\$37	\$925
Special Design Guardrail Bridge Attachment	2	EA	\$6,510	\$13,020
Guardrail Terminal, St'd. GR-9 (50')	4	EA	\$5,208	\$20,832
Epoxy/Sand Waterproofing on Rails	110	SY	\$126	\$13,860
Repair Deck Drain Scuppers	1	LS	\$4,960	\$4,960

SUBTOTAL= \$503,568

ENGINEERING & CONTINGENCY @ 42%= \$211,498

GRAND TOTAL= \$715,066

#### PHOTO SHEET STR. #1050



SIDE ELEVATION LOOKING UPSTREAM.



APPROACH ELEVATION LOOKING FROM ABUTMENT B TO ABUTMENT A.



ABUTMENT B APPROACH GUARDRAIL, RIGHT SIDE.



ABUTMENT B APPROACH GUARDRAIL, LEFT SIDE.



SIDE ELEVATION LOOKING DOWNSTREAM.



ABUTMENT A APPROACH GUARDRAIL, LEFT SIDE.

#### PHOTO SHEET CONT. STR. #1050



ABUTMENT A APPROACH GUARDRAIL, RIGHT SIDE.



APPROACH ELEVATION LOOKING FROM ABUTMENT A TO ABUTMENT B.

### PHOTO SHEET CONT. STR. #1050



PAINT TEST AT ABUTMENT B.



PAINT CONDITION.

#### PHOTO SHEET CONT. STR. #1050



PAINT CONDITION.



ABUTMENT A GORE AREA.

### PHOTO SHEET CONT. STR. #1050



SPAN 1 DECK, TRAVEL LANE.



SPAN 1 DECK, PASSING LANE.

### PHOTO SHEET CONT. STR. #1050



SPAN 2 DECK, TRAVEL LANE.



SPAN 2 DECK, PASSING LANE.



PIER 1, BEAM 5. NOTE PAINT FAILURE.

#### **ROUTE 340 OVER HAWKSBILL CREEK**

Structure No. 1800

<u>Type of Structure:</u> Bridge – Two span continuous curved plate girder

Year Built: 2001 Year Repaired: n\a

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

1. Cracks in deck, sidewalk and substructure.

2. Abutment A expansion joint sagging.

3. Approach guardrail at Abutment A has traffic impact damage.

4. One missing and 2 loose toggle bolts in railing.

**Recommendations:** 

Major Repairs: 1. Replace compression seals.

2. Upgrade fixed object attachment (run-on) and replace damaged section of

guardrail.

3. Add epoxy/sand overlay to deck.

4. Replace loose or missing toggle bolts in railing.

Comments: None.

<u>Estimated Costs:</u> The total estimated cost for Repairs is \$218,782.

#### ESTIMATED COST OF REPAIRS ROUTE 340 OVER HAWKSBILL CREEK, #1800

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$13,500	\$13,500
Preformed Elastomeric Joint Sealer (4")	83	LF	\$223	\$18,509
Replace Missing & Tighten Loose Toggle Bolts in Rail	3	EA	\$68	\$204
Maintenance of Traffic	1	LS	\$24,250	\$24,250
Remove existing guardrail	63	LF	\$9	\$567
Fixed Object Attachment, Type I (Run-On)	2	EA	\$5,375	\$10,750
Guardrail, St'd. GR-10	1	EA	\$2,700	\$2,700
Add Epoxy/Sand Waterproofing to Deck, Sidewalk & Parapet	648	SY	\$129	\$83,592

SUBTOTAL= \$154,072

ENGINEERING & CONTINGENCY @ 42%= \$64,710

GRAND TOTAL= \$218,782

#### PHOTO SHEET STR. #1800



#### APPROACH LOOKING FROM ABUTMENT A TO ABUTMENT B.



SIDE ELEVATION LOOKING UPSTREAM.

#### PHOTO SHEET CONT. STR. #1800



ABUTMENT B DOWNSTREAM GUARDRAIL. NOTE NONSTANDARD GUARDRAIL.



ABUTMENT B UPSTREAM GUARDRAIL. NOTE NONSTANDARD GUARDRAIL.

#### PHOTO SHEET CONT. STR. #1800



#### APPROACH LOOKING FROM ABUTMENT B TO ABUTMENT A.



ABUTMENT A UPSTREAM GUARDRAIL. NOTE NONSTANDARD GUARDRAIL.



ABUTMENT A DOWNSTREAM GUARDRAIL. NOTE NONSTANDARD GUARDRAIL.



SIDE ELEVATION LOOKING DOWNSTREAM.

### PHOTO SHEET CONT. STR. #1800



#### ABUTMENT A UPSTREAM GUARDRAIL. NOTE IMPACT DAMAGE.



SPAN 1 DECK, DOWNSTREAM LANE.



SPAN 1 DECK, UPSTREAM LANE.



SPAN 2 DECK, DOWNSTREAM LANE. NOTE CRACKING.

#### PHOTO SHEET CONT. STR. #1800



SPAN 2 DECK, UPSTREAM LANE. NOTE CRACKING.



ABUTMENT B JOINT. NOTE COMPRESSION JOINT SEAL LEAKING.

#### ROUTE 211 BUSINESS (MAIN STREET) OVER HAWKSBILL CREEK

Structure No. 1802

<u>Type of Structure:</u> Bridge – One simple steel girder span.

Year Built: 2019
Year Repaired: n/a

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

1. Pre-existing breastwalls spalled/delaminated.

Recommendations:

Major Repairs: 1. Repair pre-existing breastwalls where spalled/delaminated.

<u>Estimated Costs:</u> The total estimated cost for Repairs is \$34,279.

### ESTIMATED COST OF REPAIRS ROUTE 211 BUSINESS (MAIN STREET) OVER HAWKSBILL CREEK, #1802

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$2,460	\$2,460
Shotcrete	80	SF	\$271	\$21,680

SUBTOTAL= \$24,140

ENGINEERING & CONTINGENCY @ 42%= \$10,139

GRAND TOTAL= \$34,279

### PHOTO SHEET STR. #1802



### APPROACH LOOKING FROM ABUTMENT B TO ABUTMENT A.



APPROACH LOOKING FROM ABUTMENT A TO ABUTMENT B.



SIDE ELEVATION LOOKING DOWNSTREAM.



SIDE ELEVATION LOOKING UPSTREAM.

### ROUTE 656 (WALLACE AVENUE) OVER DRY RUN

#### Structure No. 6035

<u>Type of Structure:</u> Culvert – Four-barrel concrete box culvert

<u>Year Built:</u> 1972 <u>Year Repaired:</u> 2004

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

- 1. Culvert has scale, cracks, spalled and delaminated concrete.
- 2. Debris at inlet end of culvert.
- 3. Culvert has cracks in reinforced concrete.

#### **Recommendations:**

- 1. Remove debris from culvert.
- 2. Repair spalled/delaminated concrete.
- 3. Seal cracks in reinforced concrete.

Comments: None.

Estimated Costs: The total estimated cost for Repairs is \$125,957.

### ESTIMATED COST OF REPAIRS ROUTE 656 (WALLACE AVENUE) OVER DRY RUN, #6035

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$5,368	\$5,368
Maintenance of Traffic	1	LS	\$6,710	\$6,710
Remove Debris	1	LS	\$1,464	\$1,464
Shotcrete	220	SF	\$250	\$55,000
Crack Repair - Type A	120	LF	\$168	\$20,160

SUBTOTAL= \$88,702

ENGINEERING & CONTINGENCY @ 42%= \$37,255

GRAND TOTAL= \$125,957

### PHOTO SHEET STR. #6035



### APPROACH ELEVATION LOOKING FROM BARREL #4 TO BARREL #1.



SIDE ELEVATION LOOKING UPSTREAM.



SPALL/DELAMINATION IN BARREL #1.



SIDE ELEVATION LOOKING DOWNSTREAM.

### PHOTO SHEET CONT. STR. #6035



### APPROACH ELEVATION LOOKING FROM BARREL #1 TO BARREL #4.



LEAKING CRACK IN BARREL #4 DOWNSTREAM END.

## PHOTO SHEET CONT. STR. #6035



NOTE DEBRIS IN BARREL #2 INLET.

### ROUTE 731 (COLLINS AVENUE) OVER NS RAILWAY

#### Structure No. 8001

<u>Type of Structure:</u> Bridge – Three simple span Steel Beams.

Year Built: 1972 Year Repaired: n/a

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

1. Deck expansion joints leaking.

- 2. Graffiti on steel beams, substructure and slope protection.
- 3. Beam anchor bolts broken at Abutment A.
- 4. Rust on beams and bearings at abutments and piers.
- 5. Cracks in abutments and delaminated concrete on Pier 1 cap.
- 6. Debris on bearing seats at both abutments.
- 7. Fill behind abutments spilling through weep holes.
- 8. Drainage apron at Abutment B cracked and settled.
- 9. Heavy vegetation around ends and beneath structure.
- 10. Approach guardrail is non-standard.
- 11. Erosion hole adjacent to Abutment A drainage apron and Abutment A end of sidewalk.

#### Recommendations:

#### Major Repairs:

- 1. Replace all expansion joints.
- 2. Replace drainage apron at Abutment B.
- 3. Clean and paint all structural steel.
- 4. Remove debris from bearing seats.
- 5. Repair areas of delaminated and spalled concrete on substructures.
- 6. Replace broken anchor bolts.
- 7. Upgrade approach guardrail to meet current VDOT standards.
- 8. Repair areas of concrete deterioration in deck.
- 9. Add latex concrete overlay to deck.
- 10. Mill and repave approaches.
- 11. Repair erosion hole adjacent to Abutment A drainage apron and Abutment A end of sidewalk.

### Comments:

Estimated Costs: The total estimated cost for Repairs is \$1,775,193.

### ESTIMATED COST OF REPAIRS ROUTE 731 (COLLINS AVENUE) OVER NS RAILWAY, #8001

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$57,040	\$57,040
Preformed Elastomeric Joint Sealer	188	LF	\$205	\$38,540
Asphalt Type SM 9.5A	10	Ton	\$341	\$3,410
Recoat Existing Structure	1	LS	\$272,800	\$272,800
Environmental Protection Health and Safety	1	LS	\$54,560	\$54,560
Disposal of Material	1	LS	\$4,960	\$4,960
Shotcrete	195	SF	\$273	\$53,235
Remove Debris from Bearing Seats	1	LS	\$3,472	\$3,472
Replace Broken Anchor Bolts	3	EA	\$8,184	\$24,552
Maintenance of Traffic	1	LS	\$121,520	\$121,520
Remove existing guardrail	305	LF	\$13.64	\$4,160
Fixed Object Attachment, Type I (Run-On)	4	EA	\$5,456	\$21,824
Guardrail Terminal, St'd. GR-9 (50')	4	EA	\$6,200	\$24,800
Upgrade St'd. GR-2 Guardrail	1185	LF	\$22	\$26,070
Replace Toggle Bolts in Railing	3	EA	\$56	\$168
Replace Drainage Apron	1	LS	\$6,820	\$6,820
Cut Vegetation	1	LS	\$2,728	\$2,728
Type A Milling	785	SY	\$27	\$21,195
Furnish Latex Modified Concrete	53	CY	\$1,798	\$95,294
Place Latex Modified Concrete Overlay	53	CY	\$180	\$9,540
Pier Joint Reconstruction	92	LF	\$630	\$57,960
Abutment Joint Reconstruction	92	LF	\$570	\$52,440

**Continued on next page** 

# ESTIMATED COST OF REPAIRS (CONT.) ROUTE 731 (COLLINS AVENUE) OVER NS RAILWAY, #8001

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Repair Erosion behind Abutment	1	LS	\$1,240	\$1,240
Patching, Type B	100	SY	\$595	\$59,500
Patching, Type C	10	SY	\$818	\$8,180
Flexible Pavement Planing	650	SY	\$33	\$21,450
Asphalt Concrete, Type SM-9.5D	110	TON	\$341	\$37,510

TOTAL= \$1,084,968

ENGINEERING & CONTINGENCY @ 42%= \$455,687

SUB TOTAL= \$1,540,655

#### **RAILROAD COSTS - BRIDGE REPAIR**

ACCOUNTING \$4,000

PRELIMINARY ENGINEERING \$8,000

CONSTRUCTION ENGINEERING & INSPECTION \$14,000

FLAGGING SERVICES -\$1,400/DAY \$208,000

RAILROAD GRAND TOTAL \$234,000

PROJECT GRAND TOTAL \$1,774,655

### PHOTO SHEET STR. #8001



### ABUTMENT B RIGHT SIDE APPROACH GUARDRAIL.



ABUTMENT B LEFT SIDE APPROACH GUARDRAIL.

### PHOTO SHEET CONT. STR. #8001



ABUTMENT A LEFT SIDE APPROACH GUARDRAIL.



APPROACH ELEVATION LOOKING FROM ABUTMENT A TO ABUTMENT B.



ABUTMENT A RIGHT SIDE APPROACH GUARDRAIL.



ABUTMENT A, BEAM 5 PAINT CONDITION.

## PHOTO SHEET CONT. STR. #8001



### APPROACH ELEVATION LOOKING FROM ABUTMENT B TO ABUTMENT A.



SPAN 1 DECK, RIGHT SIDE.



SPAN 1 DECK, LEFT SIDE.



SPAN 2 DECK, LEFT SIDE.



SPAN 2 DECK, RIGHT SIDE.



SPAN 3 DECK, LEFT SIDE.



SPAN 3 DECK, RIGHT SIDE.



ABUTMENT B JOINT LEAKING.

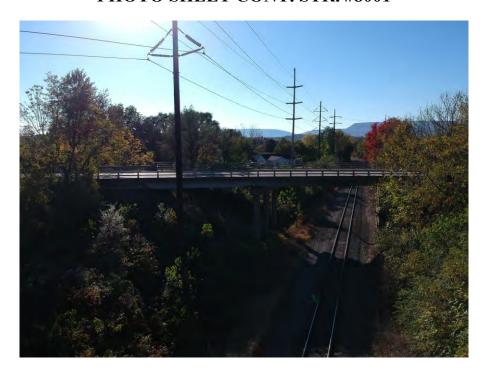


SETTLEMENT IN DRAINAGE APRON.



LEFT SIDE ELEVATION.

## PHOTO SHEET CONT. STR. #8001



RIGHT SIDE ELEVATION.

### ROUTE 731 (COLLINS AVENUE) OVER ROUTE 211 BYPASS

#### Structure No. 8002

<u>Type of Structure:</u> Bridge – Two span continuous steel girder

Year Built: 1972 Year Repaired: n/a

Condition of Structure: The General Condition of this Structure is FAIR. The following deficiencies have

been noted:

1. Deck waterproofing not bonded at many locations.

- 2. Deck surface and bearing seats at Abutment B have delaminated concrete.
- 3. Deck underside has transverse cracks with efflorescence.
- 4. Railing has missing/corroded toggle bolts.
- 5. Armored joints allow moisture onto steel below.
- 6. Armored joints loose at random locations.
- 7. Debris on bearing seats at both abutments.
- 8. Concrete slope protection settled away from Abutment A breastwall.
- 9. No approach sidewalks therefore approach sidewalks are low.
- 10. Approach guardrail is non-standard.
- 11. Structural steel paint system is failing.

#### Recommendations:

Major Repairs:

- 1. Reconstruct all expansion joints.
- 2. Replace toggle bolts on railing with toggle bolts compatible with aluminum.
- 3. Repair spalled and delaminated areas in substructure.
- 4. Repair slope protection.
- 5. Upgrade approach guardrail to meet current VDOT standards.
- 6. Replace deck waterproofing.
- 7. Repair delaminated areas in deck.
- 8. Recoat all structural steel.

General Maintenance: None.

<u>Comments:</u> None.

Estimated Costs: The Total Estimated Cost for Repairs is \$1,702,456.

### ESTIMATED COST OF REPAIRS ROUTE 731 (COLLINS AVENUE) OVER ROUTE 211 BYPASS, #8002

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$55,000	\$55,000
Joint Reconstruction	72	LF	\$1,056	\$76,032
Elastomeric Expansion Dam	72	LF	\$390	\$28,080
Replace railing bolts	198	EA	\$41	\$8,118
Substructure concrete surface repair	450	SF	\$250	\$112,500
Slope protection repair	1	LS	\$2,750	\$2,750
Epoxy/Sand Overlay	972	SY	\$120	\$116,640
Type B Patching	30	SY	\$1,300	\$39,000
Maintenance of Traffic	1	LS	\$137,500	\$137,500
Remove existing guardrail	447	LF	\$8	\$3,576
Fixed Object Attachment, Type I (Run-On)	4	EA	\$4,125	\$16,500
Guardrail Terminal, St'd. GR-9 (50')	4	EA	\$4,750	\$19,000
GR-2 Guardrail	153	LF	\$39	\$5,967
Clean Seats	1	LS	\$4,125	\$4,125
Recast Approach Sidewalk	1	LS	\$4,125	\$4,125
Prepare & Paint Structural Steel	1	LS	\$425,000	\$425,000
Environmental Protection, Health & Safety	1	LS	\$137,500	\$137,500
Disposal of Material	1	LS	\$7,500	\$7,500

SUBTOTAL= \$1,198,913

ENGINEERING & CONTINGENCY @ 42%= \$503,543

GRAND TOTAL= \$1,702,456

### PHOTO SHEET STR. #8002



ABUTMENT B APPROACH GUARDRAIL, LEFT SIDE.



ABUTMENT B APPROACH GUARDRAIL, RIGHT SIDE.

### PHOTO SHEET CONT. STR. #8002



### APPROACH ELEVATION LOOKING FROM ABUTMENT B TO ABUTMENT A.



ABUTMENT A APPROACH GUARDRAIL, RIGHT SIDE.



ABUTMENT A APPROACH GUARDRAIL, LEFT SIDE.



APPROACH ELEVATION LOOKING FROM ABUTMENT A TO ABUTMENT B.



SIDE ELEVATION LOOKING EAST.



SIDE ELEVATION LOOKING WEST.

## PHOTO SHEET CONT. STR. #8002



### ALUMINUM RAIL. NOTE DISSIMILAR METALS REACTION.



SPAN 1 DECK, LEFT SIDE.

## PHOTO SHEET CONT. STR. #8002



SPAN 1 DECK, RIGHT SIDE.



SPAN 2 DECK, LEFT SIDE.

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SPAN 2 DECK, RIGHT SIDE.



ABUTMENT A, BEAM 4. NOTE BEARING SEAT SPALL.

#### LINDEN AVENUE OVER HAWKSBILL CREEK

### Structure No. 8003

<u>Type of Structure:</u> Culvert – Six barrel reinforced concrete box culvert

Year Built: 1996 Year Repaired: None.

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

1. Walls of culvert have vertical and horizontal hairline cracks.

2. Debris buildup in barrels and channel at each end of culvert.

3. Approach guardrail, approach guardrail terminals and transitions do not

meet current VDOT standards.

#### Recommendations:

Major Repairs:

1. Remove debris from barrels.

2. Upgrade approach guardrail terminals and guardrail transitions to meet

current VDOT standards.

3. Build up approach shoulders.

Comments: None.

Estimated Costs: The total estimated cost for Repairs is \$139,401.

### ESTIMATED COST OF REPAIRS LINDEN AVENUE OVER HAWKSBILL CREEK, #8003

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$8,118	\$8,118
Remove Debris	1	LS	\$23,001	\$23,001
Maintenance of Traffic	1	LS	\$30,750	\$30,750
Remove existing guardrail	125	LF	\$14	\$1,750
St'd. GR-2 Guardrail (Rad.)	62.5	LF	\$49	\$3,063
Guardrail Terminal, St'd. GR-9 (50')	4	EA	\$6,027	\$24,108
Shoulder Buildup	1	LS	\$7,380	\$7,380

SUBTOTAL= \$98,170

ENGINEERING & CONTINGENCY @ 42%= \$41,231

GRAND TOTAL= \$139,401

### PHOTO SHEET STR. #8003



TOP OF DECK, DOWNSTREAM. NOTE SAND/EPOXY OVERLAY.



APPROACH GUARDRAIL, BARREL #1, DOWNSTREAM.

### PHOTO SHEET CONT. STR. #8003



APPROACH GUARDRAIL, BARREL #6, DOWNSTREAM.



APPROACH ELEVATION LOOKING FROM BARREL #6 TO BARREL #1.



APPROACH GUARDRAIL, BARREL #6, UPSTREAM.



APPROACH GUARDRAIL, BARREL #1, UPSTREAM.



SIDE ELEVATION LOOKING DOWNSTREAM.



STREAMBED AGGRADATION IN BARREL #6.

# PHOTO SHEET CONT. STR. #8003



# APPROACH LOOKING FROM BARREL #1 TO BARREL #6.



SIDE ELEVATION LOOKING UPSTREAM.

### MECHANIC STREET OVER HAWKSBILL CREEK

### Structure No. 8004

Type of Structure: Culvert – Six barrel box culvert

Year Built: 1996 Year Repaired: n/a

Condition of Structure: The General Condition of this Structure is GOOD. The following deficiencies have

been noted:

- 1. Scale and Culvert walls and sidewalks have cracks.
- 2. Spalled concrete on top of downstream headwall and on interior wall #2 on barrel 3.
- 3. Deck drains on downstream side broken flush with underside of deck.
- 4. Some channel debris at upstream end.
- 5. Approach guardrail, guardrail terminal and guardrail transition are substandard.
- 6. Some rail toggle bolts missing.

### Recommendations:

Major Repairs:

- 1. Extend deck drains below bottom of deck.
- 2. Replace broken or loose toggle bolts in railing.
- 3. Repair delaminated concrete.
- 4. Upgrade approach guardrail, guardrail terminal and guardrail transition to current VDOT standards.
- 5. Remove debris in channel.
- 6. Replace missing rail toggle bolts.
- 7. Repair substructure concrete where deteriorated.

Comments: None.

<u>Estimated Costs:</u> The total estimated cost for Repairs is \$130,593.

# ESTIMATED COST OF REPAIRS MECHANIC STREET OVER HAWKSBILL CREEK, #8004

DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	1	LS	\$11,250	\$11,250
Extend Deck drains	12	EA	\$1,000	\$12,000
Maintenance of Traffic	1	LS	\$16,250	\$16,250
Substructure Concrete Repair	5	SF	\$625	\$3,125
Replace Toggle Bolts	7	EA	\$156	\$1,092
Remove Debris	1	LS	\$1,875	\$1,875
Repair Approach Sidewalk	1	LS	\$2,875	\$2,875
Replace Guardrail Transition	4	EA	\$2,750	\$11,000
Replace Approach Guardrail	100	LF	\$50	\$5,000
Replace Approach Guardrail Terminal	4	EA	\$5,500	\$22,000
Replace Approach Radial Guardrail	100	LF	\$55	\$5,500

SUBTOTAL= \$91,967

ENGINEERING & CONTINGENCY @ 42%= \$38,626

GRAND TOTAL= \$130,593

# PHOTO SHEET STR. #8004



# DOWNSTREAM APPROACH GUARDRAIL AT BARREL #1.



DOWNSTREAM APPROACH GUARDRAIL AT BARREL #6.

# PHOTO SHEET CONT. STR. #8004



# APPROACH ELEVATION LOOKING FROM BARREL #6 TO BARREL #1.



UPSTREAM APPROACH GUARDRAIL AT BARREL #6.

# PHOTO SHEET CONT. STR. #8004



# UPSTREAM APPROACH GUARDRAIL AT BARREL #1.



SIDE ELEVATION LOOKING UPSTREAM.

# PHOTO SHEET CONT. STR. #8004



TOP OF DECK AND SIDEWALK. NOTE SAND/EPOXY OVERLAY.



DOWNSTREAM APPROACH SIDEWALK AT BARREL #6 CRACKED/BROKEN FOR 25 SF.

Schwartz & Associates, Inc. Lynchburg-Roanoke - 88 -

# PHOTO SHEET CONT. STR. #8004



APPROACH LOOKING FROM BARREL #1 TO BARREL #6.



SIDE ELEVATION LOOKING DOWNSTREAM.

# **VIII. BRIDGE BUNDLING**

# Bundle #1

DESCRIPTION	TOTAL COST
Expansion Joint Sealer	
Str. #1050	\$16,128
Str. #1800	\$18,509
Seal Cracks	
Str. #6035	\$20,160
Epoxy/Sand Overlay	
Str. #1050	\$13,860
Str. #1800	\$83,592
Str. #8002	\$116,640
Reconstruct Expansion Joints	
Str. #8002	\$104,112
Type B Deck Patching	
Str. #8002	\$39,000
Mobilization	\$35,000
Maintenance of Traffic	\$57,300

SUBTOTAL= \$504,301 ENGINEERING & CONTINGENCY - 42%= \$211,806

GRAND TOTAL= \$716,107

# **Bundle #2**

DESCRIPTION	TOTAL COST
Shotcrete	
Str. #1050	\$32,040
Str. #6035	\$55,000
Str. #1802	\$21,680
Replace Railing Bolts or Tighten Loose Bolts	
Str. #1050	\$2,170
Str. #1800	\$204
Str. #8002	\$8,118
Str. #8004	\$1,092
Remove Debris	
Str. #6035	\$1,464
Str. #8003	\$23,001
Str. #8004	\$1,875
Cut Vegetation. Str. #1050	\$1,240
Substructure Concrete Repair, Str. #8002	\$112,500
Slope Protection Repair, Str. #8002	\$2,750
Extend Deck Drains, Str. #8004	\$12,000
Clean & Repair Deck Drains, Str. #1050	\$8,060
Mobilization	\$20,600
Maintenance of Traffic	\$55,000

SUBTOTAL= \$358,794 ENGINEERING & CONTINGENCY - 42%= \$150,693 GRAND TOTAL= \$509,487

# **Bundle #3**

DESCRIPTION	TOTAL COST
All Work on Collins Avenue over NS Railway	
Str. #8001	\$1,084,968

SUBTOTAL= \$1,084,968

ENGINEERING & CONTINGENCY - 42%= \$455,687

TOTAL= \$1,540,655

RAILROAD FLAGGING \$234,000

GRAND TOTAL \$1,774,655

# **Bundle #4**

DESCRIPTION	TOTAL COST
Prepare and Paint Structural Steel and Environmental Protection	
Str. #1050	\$279,000
Str. #8002	\$570,000
Mobilization	\$62,000
Maintenance of Traffic	\$125,000

SUBTOTAL = \$1,036,000 ENGINEERING & CONTINGENCY - 42%= \$435,120  $GRAND\ TOTAL = \$1,471,120$ 

# **Bundle #5**

DESCRIPTION	TOTAL COST
Approach Guardrail	
Str. #1050	\$36,990
Str. #1800	\$14,017
Str. #8002	\$45,043
Str. #8003	\$28,921
Str. #8004	\$43,500
Mobilization	\$15,000
Maintenance of Traffic	\$31,200

 $\label{eq:SUBTOTAL} SUBTOTAL = \$214,671$  Engineering & Contingency - 42%= \$90,162

GRAND TOTAL= \$304,833

# **Bundle #6**

DESCRIPTION	TOTAL COST
WBL Route 211 Business over Dry Run	
Str. #1016	\$5,478,823

GRAND TOTAL = \$5,478,823





# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Updates & Discussion Items
IIIE. Food Trucks



# Town of Luray, Virginia Town Council Agenda Statement

Item No: III-E

Meeting Date: September 23, 2025

Agenda Item: TOWN COUNCIL UPDATES & DISCUSSION

Item III. E - Food Trucks

Summary: Council is requested to receive an update from the Town Manager regarding draft

Code amendments to define and regulate food trucks/mobile units.

Due to the increasing popularity of these types of food service facilities, the Town needs a consistent way to manage their activities within the corporate limits of Luray.

The Town Staff and Town Attorney have worked cooperatively to produce a definition, and draft Ordinance amendments that may help facilitate the process.

By consistently identifying and regulating these types of unit's town-wide, we can ensure fairness for all similar vendors.

In addition to the definition and Ordinance, we will properly advertise and hold the necessary Public Hearings once the Council is comfortable with starting that process. We will also create the needed application form, information sheet, and make any needed adjustments to the Fee Schedule.

A Resolution of Referral is included in the Action Item section of the agenda.

# **EXHIBIT A**

- 1. Article II, Section 202 is amended to include the following definition:
  - Mobile food unit: A self-contained food service operation located in a readily movable wheeled vehicle or towed trailer used to store, prepare, display, or serve food intended for individual portion service and consumption.
- 2. Article IV, Section 406.1 is amended to include the following:
  - (dd) Mobile food unit.
- 3. Article V is amended to include the following as Section 522:
  - 522.1. Permit requirements.
  - (a) A temporary use permit issued by the zoning administrator is required prior to the operation of a mobile food unit as a principal or accessory use on private property within the town.
  - (b) An application for a temporary use permit to operate a mobile food unit shall include the following:
    - (1) A valid permit issued by the Virginia Department of Health reflecting that the mobile food unit meets all applicable standards and requirements.
    - (2) Written permission from the owner of the private property which will host the mobile food unit.
    - (3) A sketch illustrating access to the site, parking areas, routes for ingress and egress, placement of the mobile food unit, distance from property lines, garbage receptacles, and any other features associated with the mobile food unit.
    - (4) A description of the proposed days and hours of operation.
    - (5) An application for a town business license.
  - (c) A temporary use permit shall be valid through the end of the calendar year in which the permit is issued.
  - (d) A temporary use permit is not required for a mobile food unit:
    - (1) Catering or providing food to a closed private event (such as a wedding, birthday, etc.) on private property; or
    - (2) Participating in a special event approved by the town.
  - (e) The zoning administrator may revoke a temporary use permit in the event the permit holder is provided with written notice of specified violations of

this section and fails to implement corrective action within 10 days of the date of the notice.

### 522.2. Location requirements.

- (a) A mobile food unit must be positioned at least 15 feet away from all driveway entrances, alleys, handicapped parking spaces, and fire hydrants.
- (b) No parking space that is necessary to satisfy minimum parking requirements applicable to the host property may be occupied by a mobile food unit.
- (c) A minimum clearance area three feet wide must be maintained on all sides of the mobile food unit.
- (d) A mobile food unit may not be located in a manner that interferes with drive aisles, ingress and egress from the host property, designated fire lanes, or sight distance requirements.
- (e) A mobile foot unit located on a parcel adjoining or adjacent to a residential zoning district shall be located at least 25 feet from the property line.
- (f) A mobile food unit may only be located on a paved, gravel, or concrete surface.

### 522.3 Operational requirements.

- (a) A mobile food unit may remain on the host property for no more than 48 consecutive hours and must be absent for at least 12 consecutive hours before returning to the host property.
- (b) Only food and non-alcoholic beverages may be sold. Notwithstanding the foregoing, the retail sale of merchandise is permitted as an accessory use.
- (c) Portable receptacles for the disposal of waste materials and other litter must be provided and emptied daily by the operator. Town trash receptables and service may not be used for compliance with this requirement.
- (d) No solid or liquid waste may be discharged and the host property must be kept reasonably clear of trash and debris.
- (e) No tables, chairs, umbrellas, tents, pavilions, or accessory structures may be utilized.
- (f) The temporary use permit and business license must be displayed in a visible location.
- (g) Signage may be displayed on the exterior body of the mobile food unit and include the use of one attached or detached menu board.
- (h) The mobile food unit must comply with all other applicable town code requirements, including the collection, reporting and remittance of town meals tax.





# TOWN OF LURAY Town Council Special Meeting September 23, 2025

Action Items

IVA. VML Voting Candidates



# Town of Luray, Virginia Town Council Agenda Statement

Item No: IV-A

Meeting Date: September 23, 2025

Agenda Item:	<b>TOWN</b>	COUNCIL	<b>DISCUSSION</b>	& ACTION
Agenda Item:	IOWN	COUNCIL	DISCUSSION	& ACTION

Item IV. A – VML Voting Candidates

Summary: Council is requested to select the candidates voting for the October 2025 VML

Conference.

Typically, the Mayor votes at the Annual Business Meeting, and the Mayor and Vice

Mayor handle the Town Section Meeting as delegate and alternate delegate.

Mayor & Council need to confirm:

**Town Section Meeting Voting Delegate** 

**Town Section Meeting Voting Alternate Delegate** 

**Annual Business Meeting Voting Delegate** 

All localities must submit candidate choices to VML by September 26, 2025.

Commission Review	: N/A	
Fiscal Impact:	N/A	
Suggested Motions:	I nominate  Town Section Meeting Voting Delegate.	_ to serve as the Town of Luray's
	AND I nominate Town Section Meeting Voting Alternate Delegation	_ to serve as the Town of Luray's
	AND I nominate Annual Business Meeting Voting Delegate.	to serve as the Town of Luray's





# TOWN OF LURAY Town Council Special Meeting September 23, 2025

**Action Items** 

IVB. Code Amendment ReferralResolution – Food Trucks/Mobile Units



# Town of Luray, Virginia Town Council Agenda Statement

Item No: IV-B

Meeting Date: September 23, 2025

Agenda Item: TOWN COUNCIL DISCUSSION & ACTION

Item IV. B – Code Amendments Referral Resolution

Summary: Council is requested to consider adopting the enclosed Resolution for referral of the

proposed Code Amendments regarding food trucks/mobile units to the Planning

Commission.

A copy of the Resolution and future Ordinance are included for review.

Commission Review: Proposed

Fiscal Impact: Unknown currently

Suggested Motions: I move that the Referral Resolution be adopted, as presented,

OR

I move that the Referral Resolution be adopted, with the changes noted

\_\_\_\_

OR

I move that the Referral Resolution be denied, for the reasons noted

.

### Resolution No. 2025-

# A RESOLUTION INITIATING AN AMENDMENT TO THE ZONING ORDINANCE OF THE TOWN OF LURAY, VIRGINIA

WHEREAS, the Town Council may initiate an amendment to the Town's zoning regulations by resolution pursuant to Virginia Code § 15.2-2286(A)(7); and

WHEREAS, the Town Council has determined that convenience and good zoning practice require amending Articles II, IV, and V of the Town's zoning ordinance to include provisions concerning the operation of mobile food units in Town.

**NOW, THEREFORE,** be it resolved by the Council of the Town of Luray, Virginia, as follows:

- 1. The amendments to Appendix A shown in Exhibit A are hereby referred to the Planning Commission for public hearing and recommendation.
  - 2. This Resolution shall take effect immediately.

Adopted: September 23, 2025

Mayor	

### **CERTIFICATE**

I certify that I am the Clerk of the Town of Luray, Virginia, and that the foregoing is a true copy of a Resolution adopted by the Council of the Town of Luray, Virginia, on September 23, 2025, upon the following vote:

NAME	AYE	NAY	ABSTAIN	ABSENT
Mayor Lillard <sup>1</sup>				
Ron Vickers				
Jerry Dofflemyer				
Alex White				
Jason Pettit				
Joey Sours				
Charles Butler, Jr.				

Date: Septer	nber 23, 2023	
[SEAL]		
ATTEST: _		
	Clerk, Town Council of Town of Luray, Virginia	

<sup>&</sup>lt;sup>1</sup> Votes only in the event of a tie.

### Ordinance No. 2025-

# AN ORDINANCE AMENDING ARTICLES II, IV AND V OF APPENDIX A OF THE TOWN CODE OF THE TOWN OF LURAY, VIRGINIA

**WHEREAS**, Appendix A of the Town Code currently sets forth the zoning ordinance that applies to property within the Town; and

WHEREAS, textual amendments to Articles II, IV, and V of Appendix A have been proposed that would define and regulate the operation of mobile food units within the Town; and

**WHEREAS**, the Town Planning Commission conducted a duly-advertised public hearing on the proposed amendments and has provided a recommendation to the Town Council; and

**WHEREAS**, the Town Council has conducted a duly-advertised public hearing and wishes to adopt the proposed amendments.

**NOW, THEREFORE,** be it ordained by the Council of the Town of Luray, Virginia, as follows:

- 1. Articles II, IV, and V of Appendix A of the Town Code are hereby amended and readopted as shown in Exhibit A.
  - 2. This Ordinance shall take effect immediately.

Adopted: November 10, 2025

 Mayor	

### **CERTIFICATE**

I certify that I am the Clerk of the Town of Luray, Virginia, and that the foregoing is a true copy of an Ordinance adopted by the Council of the Town of Luray, Virginia, on November 10, 2025, upon the following vote:

NAME	AYE	NAY	ABSTAIN	ABSENT
Mayor Lillard <sup>1</sup>				
Ron Vickers				
Jerry Dofflemyer				
Alex White				
Jason Pettit				
Joey Sours				
Charles Butler, Jr.				

Date: Nove	ember 10, 2025	
[SEAL]		
ATTEST:	Clark Town Council of	
	Clerk, Town Council of Town of Luray, Virginia	

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<sup>&</sup>lt;sup>1</sup> Votes only in the event of a tie.