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## **MEMORANDUM – LITTER COLLECTION PROGRAM RECOMMENDATION**

The Virginia General Assembly passed legislation in 2020 that granted counties the authority to impose a tax on disposable plastic bags provided in many retail establishments. The purpose of the law is to modify behaviors and reduce the distribution of single-use plastics.

In May of 2022, the Albemarle County Board of Supervisors approved an ordinance that established a Disposable Plastic Bag tax effective January 1<sup>st</sup>, 2023. Stores subject to the tax (as defined by Virginia Code § 58.1-1745) were required to charge \$0.05 per disposable plastic bag provided to customers at checkout. Based on revenue generation rates, staff projects total revenues in FY24 of \$120,000 and a similar amount in FY25.

Use of Plastic Bag Tax revenue is limited to the following purposes: environmental cleanup, providing education programs designed to reduce environmental waste, mitigating pollution and litter, or providing reusable bags to recipients of the Supplemental Nutrition Assistance Program (SNAP) or Women, Infants, and Children Program (WIC) benefits.

Staff proposes the establishment of a program to collect litter on County roads, primarily but not exclusively those in designated Rural Areas. The specific recommended roads detailed in this memo were selected based on traffic volume and the nature of abutting properties.

Staff generated the following criteria to identify roads that may be included in a litter collection program:

- A. Public roads that have been accepted into the VDOT maintenance system. Private roads would remain the responsibility of the owner(s) or HOA.
- B. Roadways with an average daily traffic (ADT) of greater than 1000 cars per day, as determined by VDOT traffic data. Studies have shown a correlation between traffic volume and the amount of litter accumulating along roadways.
- C. In general, public roads outside of planned neighborhoods and not residential in nature.

Several groups already contribute to litter collection efforts along County roads, including County mowing & litter contractors, VDOT mowing & litter contractors, and private citizen groups participating in VDOT's Adopt-a-Highway program. Based on data accumulated by staff, over 400 miles of roads in the County have some level of litter collection efforts, at varying frequencies.

Combining the litter collection data and VDOT traffic volume data has provided a clearer view of roads that are off the radar of existing litter collection programs and would be good candidates for litter collection. Staff recommends providing service to high-traffic roads not currently receiving service. For roads already receiving some level of service, staff propose augmenting existing service levels by extending service into the winter months. Winter is included for two reasons: 1. No services are currently performed in winter, and 2. Staff receives more litter complaints during the winter months than at any other time of the year.

Staff recommends analysis of the existing litter collection efforts and traffic volume throughout the County to generate a list of roads to be considered for the County litter collection program. The selected roads would have a minimum average of 1,000 cars per day. The roads would be categorized in a tiered approach by traffic volume, with litter collection frequency to be determined by the tier:

- Tier 1 roads, > 4,000 cars per day, service four times a year
- Tier 2 roads, between 3,000 and 4,000 cars per day, service four times a year
- Tier 3 roads, between 2,000 and 3,000 cars per day, service bi-annually
- Tier 4 roads, between 1,000 and 2,000 cars per day, service bi-annually

Staff recommends a one-year pilot program to engage an outside contractor and assess the results. The results would be weighed based on litter collection totals received from the selected contractor, the overall effectiveness of the program, and opportunities to improve the service.

Included with this memorandum is a list of the road sections that meet these criteria. The frequency of collection is reflected in the fourth column in this table, indicating the target months of service.

Attachment A: Litter Collection Program - Proposed Routes

Route	From	To	Collection Months
Hydraulic Rd (Rt 743)	Earlsville Rd (Rt 743)	Seminole Trail (US29N)	Jun, Sep, Dec & Mar
Georgetown Rd (Rt 656)	Barracks Rd (Rt 654)	Hydraulic Rd (Rt 743)	Jun, Sep, Dec & Mar
Greenbrier Dr (Rt 866)	Whitewood Rd (Rt 1455)	Hillsdale Dr (Rt 1427)	Jun, Sep, Dec & Mar
Commonwealth Dr (Rt 852)	Hydraulic Rd (Rt 743)	Dominion Dr (Rt 851)	Jun, Sep, Dec & Mar
Rio Rd East (Rt 631)	Seminole Trail (US 29)	John Warner Pkwy (Rt 631)	Jun, Sep, Dec & Mar
Woodbrook Dr (Rt 1417)	Berkmar Dr (Rt 1403)	Seminole Trail (US29N)	Jun, Sep, Dec & Mar
Branchlands Blvd (Rt 1694)	Hillsdale Dr (Rt 1427)	Seminole Trail (US 29)	Jun, Sep, Dec & Mar
Dickerson Rd (Rt 606)	Airport Rd (Rt 649)	Earlsville Rd (Rt 743)	Jun, Sep, Dec & Mar
Black Cat Rd (Rt 616)	Richmond Rd (US 250)	I64	Jun, Sep, Dec & Mar
Union Mills Rd (Rt 616)	Richmond Rd (US 250)	Fluvanna County Line	Jun, Sep, Dec & Mar
Peter Jefferson Pkwy (Rt 1140)	Richmond Rd (US 250)	South Pantops Dr (Rt 1140)	Jun, Sep, Dec & Mar
South Pantops Dr (Rt 1140)	Spotnap Rd (Rt 1299)	Peter Jefferson Pkwy (Rt 1140)	Jun, Sep, Dec & Mar
Southern Pkwy (Rt 1165)	Gristmill Dr (Rt 1157)	Avon St (Rt 742)	Jun, Sep, Dec & Mar
Mountainwood Rd (Rt 1112)	Sunset Ave Ext (Rt 781)	Old Lynchburg Rd (Rt 780)	Jun, Sep, Dec & Mar
Old Lynchburg Rd (Rt 631)	Charlottesville Urban Boundary	5th St Ext (Rt 631)	Jun, Sep, Dec & Mar
Buck Mountain Rd (Rt 663)	Earlsville Rd (Rt 743)	Markwood Rd (Rt 665)	Jun, Sep, Dec & Mar
Berkmar Dr (Rt 1403)	US 29 Seminole Trail	Rio Rd West (Rt 631)	Jun, Sep, Dec & Mar
Whitewood Rd (Rt 1455)	Hydraulic Rd (Rt 743)	Greenbrier Dr (Rt 866)	Jun, Sep, Dec & Mar
Four Seasons Dr (Rt 1456)	Commonwealth Dr (Rt 852)	Rio Rd West (Rt 631)	Jun, Sep, Dec & Mar
Simmons Gap Rd (Rt 663)	Buck Mountain Rd (Rt 664)	Buffalo River Rd (Rt 664)	Jun, Sep, Dec & Mar
Woodlands Rd (Rt 676)	Free Union Rd (Rt 601)	Earlsville Rd (Rt 743)	Jun, Sep, Dec & Mar
Rio East Court (Rt 1562)	Rio Rd East (Rt 631)	Dead End	Mar & Sept
Mall Dr (Rt 1695)	Hillsdale Dr (Rt 1427)	Dead End	Mar & Sept
Fortune Park Rd (Rt 1754)	Dead End	Worth Xing (Rt 1722)	Mar & Sept
Free Union Rd (Rt 601)	Millington Rd (Rt 665)	Chapel Spring Lane (Rt 668)	Mar & Sept
Dickerson Rd (Rt 606)	Airport Rd (Rt 649)	Quail Run (Rt 1666)	Mar & Sept
Old Brook Rd (Rt 652)	Rio Rd East (Rt 631)	Shadow Oaks Pl (Rt 1035)	Mar & Sept
Buffalo River Rd (Rt 664)	Buck Mountain Rd (Rt 663)	Greene County Line	Mar & Sept
James River Rd (Rt 726)	Valley St (SR 20)	Hardware St (Rt 795)	Mar & Sept
James Monroe Pkwy (Rt 795)	Carters Mtn Rd (Rt 627)	Thomas Jefferson Pkwy (SR 53)	Mar & Sept
Hunters Way (Rt 1146)	Richmond Rd (US 250)	Cul-de-Sac	Mar & Sept
Westfield Rd (Rt 1452)	Seminole Trail (US 29)	Commonwealth Dr (Rt 852)	Mar & Sept
Quail Run (Rt 1666)	Dickerson Rd (Rt 606)	Lewis And Clark Dr (Rt 1571)	Mar & Sept
Town Center Blvd (Rt 1719)	Seminole Trail (US 29)	Dickerson Rd (Rt 606)	Mar & Sept

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Worth Xing (Rt 1722)	Seminole Trail (US 29)	Timberwood Blvd (Rt 1721)	Mar & Sept
Olympia Dr (Rt 1770)	Verona Dr (Rt 1769)	Town and County Dr	Mar & Sept
Free Union Rd (Rt 601)	Chapel Spring Lane (Rt 668)	Davis Shop Rd (Rt 671)	Mar & Sept
Black Cat Rd (Rt 616)	I-64	Louisa Rd (SR 22)	Mar & Sept
Martin King Rd (Rt 618)	Rolling Rd (Rt 620)	Fluvanna County Line	Mar & Sept
Barracks Farm Rd (Rt 658)	Garth Rd (Rt 601)	Ivy Farm Rd (Rt 1015)	Mar & Sept
Reas Ford Rd (Rt 660)	Woodlands Rd (Rt 676)	Bleakhouse Rd (R662)	Mar & Sept
Simmons Gap Rd (Rt 663)	Buffalo River Rd (Rt 664)	Estes Ridge (Rt 806)	Mar & Sept
Half Mile Branch Rd (Rt 684)	Hillsboro Lane (Rt 797)	Jarmans Gap Rd (Rt 691)	Mar & Sept
Esmont Rd (Rt 715)	Green Mountain Rd (Rt 627)	Plank Rd (Rt 712)	Mar & Sept
Buck Island Rd (Rt 729)	Martin King Rd (Rt 618)	Thomas Jefferson Pkwy (SR 53)	Mar & Sept
Advance Mills Rd (Rt 743)	Frays Mountain Rd (Rt 664)	Frays Mill Rd (Rt 641)	Mar & Sept
Blenheim Rd (Rt 795)	James River Rd (Rt 726)	Jefferson Mill Rd (Rt 618), Coles Rollin (Rt 712)	Mar & Sept
Browns Gap Tpke (Rt 810)	Garth Rd (Rt 614)	Blufton Rd (Rt 672)	Mar & Sept
Dyke Rd (Rt 810)	Markwood Rd (Rt 664)	Greene County Line	Mar & Sept
Country Green Rd (Rt 875)	Old Lynchburg Rd (Rt 631)	Sunset Ave Ext (Rt 781)	Mar & Sept
Seminole Trail (Rt 29N)	Airport Rd (Rt 649)	Greene Co Line	Dec & Mar
Monacan Trail (Rt 29S)	Teel Ln (Rt 1106)	Nelson Co Line	Dec & Mar
Stoney Creek Rd (VA 20N)	Rte. 250	Orange Co Line	Dec & Mar
Scottsville Rd (VA 20S)	Char. City Limits	James River	Dec & Mar
Richmond Rd (Rt 250E)	South Pantops Dr (Rt 1140)	Fluvanna Co Line	Dec & Mar
250W	Char. City Limits	Augusta Co Line (Top of Mnt.)	Dec & Mar
250/29 Bypass	Char. City Limits	Teel Ln (Rt 1106)	Dec & Mar
Thomas Jefferson Pkwy (VA 53)	Scottsville Rd. (Rt. 20S)	Fluvanna Co line	Dec & Mar
Gordonsville Rd (Rt 231)	Louisa Rd (Rt 22)	Orange Co Line	Dec & Mar
Louisa Rd (VA 22)	Richmond Rd (Rt 250)	Louisa Co Line	Dec & Mar
Irish Rd (VA 6)	Nelson Co Line	Scottsville Rd. (Rt. 20S)	Dec & Mar
Three Notch'd Rd (Rt 240)	Rock Fish Gap Trpk (Rt 250)	Rock Fish Gap Trpk (Rt 240/250)	Dec & Mar
Rio Road (Rte. 631)	North City Line Bridge	R/R Bridge	Dec & Mar
John Warner Prkwy	Rio Road East (Rt 631)	Melbourne Rd. (Rt. 3412)	Dec & Mar
Polo Ground Rd (Rt. 643)	Airport Rd (Rt 649)	Seminole Trail (US29N)	Dec & Mar
Proffit Rd (Rt. 649)	Stoney Point Rd (Rt 20)	Seminole Trail (US29N)	Dec & Mar
Earlsville Rd (Rt. 743)	Rock Store (631&743)	Advance Mills (Rt 743)	Dec & Mar
Miller School Rd (Rt. 635)	Plank Rd (Rt 692)	Dick Woods Rd (Rt 637)	Dec & Mar
Miller School Rd (Rt. 635)	Dick Woods Rd (Rt 637)	Rock Fish Gap Trpk (Rt 240/250)	Dec & Mar
Dick Woods Rd (Rt. 637)	Miller School Rd (Rt. 635)	Interstate 64	Dec & Mar
Dick Woods Rd (Rt. 637)	Interstate 64	Ivy Rd (Rt 250)	Dec & Mar

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Barracks Rd (Rt. 654)	Old Garth Rd (Rt 601)	Rt 29/250 Bypass	Dec & Mar
Garth Rd (Rt. 601)	Owensville Rd (Rt 676)	Barracks Rd (Rt. 654)	Dec & Mar
Owensville Rd (Rt. 678)	Owensville Rd (Rt 676)	Ivy Rd (Rt 250)	Dec & Mar
Owensville Rd (Rt. 676)	Garth Rd (Rt. 601)	Decca Ln (Rt 678)	Dec & Mar
Plank Rd (Rt. 692)	Monaccan Trail (Rt 29S)	Rock Fish Gap Trpk (Rt 250)	Dec & Mar
N Milton Rd (Rt. 729)	Richmond Rd (Rt 250)	Thomas Jefferson Pkwy (Rt 53)	Dec & Mar
Milton Rd (Rt. 732)	N Milton Rd (Rt. 729)	Thomas Jefferson Pkwy (Rt 53)	Dec & Mar
Garth Rd (Rt. 614)	Owensville Rd (Rt 676)	White Hall Rd (Rt 810)	Dec & Mar
Old Lynchburg Rd. (Rt. 631)	5th St From 4 lane (Rt 1870)	Plank Rd (Rt. 712)	Dec & Mar
Plank Rd (Rt. 692/712)	Monaccan Trail (Rt 29S)	Scottsville Rd. (Rt. 20S)	Dec & Mar
Red Hill Rd. (Rt. 708)	Monaccan Trail (Rt 29S)	Scottsville Rd. (Rt. 20S)	Dec & Mar
Rolling Rd. (Rt. 620 )	James Monroe Pkwy (Rt 795)	Fluvanna Co Line	Dec & Mar
Jarman's Gap Rd. (Rt. 691)	Crozet Ave (Rt 240)	Greenwood Station Rd (Rt 690)	Dec & Mar
Greenwood Rd. (Rt. 691 )	Greenwood Station Rd (Rt 690)	Rock Fish Gap Trpk (Rt 250)	Dec & Mar
Ortman Rd. (Rt. 691 )	Rock Fish Gap Trpk (Rt 250)	Plank Rd (Rt. 692)	Dec & Mar
White Hall Rd (Rt. 810)	Crozet Ave (Rt. 240)	Garth Rd (Rt. 614)	Dec & Mar
Seminole Trail South (Rt. 29)	Hydraulic Rd. (Rt. 743)	Polo Grounds Rd./Rio Mills Rd. (Rt. 643)	Dec & Mar
Seminole Trail North (Rt. 29)	Polo Grounds Rd./Rio Mills Rd. (Rt. 643)	Proffit Rd./Airport Rd. (Rt. 649)	Dec & Mar
Rt.29/Rt.250 Bypass	Barracks Rd. (Rt. 654)	Teel Ln. (Rt.1106)	Dec & Mar
Richmond Rd. (Rt. 250 East)	Stony Point Rd. (Rt. 20 North)	Sleepy Hollow Ln. (PVT)	Dec & Mar
5th. Street Extended/Old Lynchburg Rd. (Rt. 631)	Holiday Inn (5th. St.)	Ambrose Commons Dr. (Rt. 1870)	Dec & Mar
Barracks Rd. (Rt. 654)	Rt. 29/250 Bypass North	Georgetown Rd. (Rt. 656)	Dec & Mar
Berkmar Dr. (Rt. 1403)	Woodbrook Dr. (Rt. 1417)	Timberwood Blvd. (Rt. 1721)	Dec & Mar
Hilton Heights Rd. (Rt. 1403)	Seminole Trail (Rt. 29 South)	Walmart/Sams Club Intersection	Dec & Mar
250/29 Bypass SB at Rt. 601 Off Ramp	Old Ivy Rd. (Rt. 250)	250/29 Bypass SB On Ramp	Dec & Mar
Rt.29/Rt.250 Access Ramps	Barracks Rd. (Rt. 654)	Fontaine Ave. Ext. (Rt. 29 Bus.)	Dec & Mar