

NOTICE OF PUBLIC MEETINGS

| DATE     | TIME  | EVENT/PLACE **   | PERSONS ATTENDING  |
|----------|---|--|--|
| Mar 22   | 3:00 p.m.   | CTE STRATEGIC PLAN PROJECT MGMT TEAM   | All Members  |
| Mar 26   | 9:30 a.m.<br>11:00 a.m.<br>11:30 a.m.<br>1:30 p.m.<br>TBD       | ECONOMIC DEVELOPMENT COMMITTEE<br>REASSESSMENT COMMITTEE<br>EMERGENCY SERVICES COMMITTEE<br>STAFF BRIEFING<br>BOS BUDGET WORKSESSION | Bragg & Pattie<br>Bragg & Pattie<br>Shull & Kelley<br>All Members<br>All Members |
| Mar 27   | 9:00 a.m.<br>7:00 p.m.  | ELECTORAL BOARD<br>AUGUSTA COUNTY EMERGENCY SERVICES   |  |
| Mar 28   | 7:00 p.m.   | BOS MEETING  | All Members  |
| April 2  | 1:30 p.m.   | CMPT   |  |
| April 3  | 8:30 a.m.<br>2:00 p.m.  | DEPT OF SOCIAL SERVICES<br>JAIL AUTHORITY  | Carter   |
| April 4  | 10:00 a.m.  | MPO POLICY BOARD   | Coleman & Carter   |
| April 5  | 9:30 a.m.<br>1:30 p.m.  | BZA STAFF BRIEFING<br>BZA  |  |
| April 9  | 1:30 p.m.   | AUGUSTA COUNTY SERVICE AUTHORITY   | Bragg & Shull  |
| April 10 | 3:00 p.m.<br>7:00 p.m.  | GART<br>PLANNING COMMISSION  |  |
| April 11 | 3:00 p.m.<br>3:00 p.m.<br>7:00 p.m.                             | ORDINANCE COMMITTEE<br>LOCAL EMERGENCY PLANNING COMMITTEE<br>BOS MEETING   | Bragg & Shull<br>All Members   |
| April 17 | 10:00 a.m.<br>10:00 a.m.<br>5:30 p.m.                           | VALLEY PROGRAM FOR AGING SERVICES(W'boro Sen Center)<br>HEADWATERS SOIL & WATER CONSERVATION DIST<br>CAP-SAW                         | Coleman & Carter   |
| April 18 | 7:00 p.m.<br>7:00 p.m.  | PARKS & RECREATION COMMISSION<br>BOS BUDGET PUBLIC HEARING   | Coleman<br>All Members   |
| April 23 | 9:30 a.m.<br>11:00 a.m.<br>11:30 a.m.<br>1:30 p.m.              | ECONOMIC DEVELOPMENT COMMITTEE<br>REASSESSMENT COMMITTEE<br>EMERGENCY SERVICES COMMITTEE<br>STAFF BRIEFING                           | Bragg & Pattie<br>Bragg & Pattie<br>Shull & Kelley<br>All Members                |
| April 24 | 8:30 a.m.   | DEPT OF SOCIAL SERVICES  | Carter   |
| April 25 | 7:00 p.m.   | BOS MEETING  | All Members  |
| May 2    | 10:00 a.m.  | MPO POLICY BOARD   | Coleman & Carter   |
| May 3    | 9:30 a.m.<br>1:30 p.m.  | BZA STAFF BRIEFING<br>BZA  |  |
| May 7    | 1:30 p.m.<br>1:30 p.m.  | AUGUSTA COUNTY SERVICE AUTHORITY<br>CMPT   | Bragg & Shull  |
| May 8    | 7:00 p.m.   | PLANNING COMMISSION  |  |
| May 9    | 3:00 p.m.<br>7:00 p.m.  | ORDINANCE COMMITTEE<br>BOS MEETING   | Bragg & Shull<br>All Members   |
| May 15   | 10:00 a.m.<br>10:00 a.m.  | VALLEY PROGRAM FOR AGING SERVICES<br>HEADWATERS SOIL & WATER CONSERVATION  |  |
| May 16   | 4:00 p.m.<br>7:00 p.m.  | LIBRARY<br>PARKS & RECREATION COMMISSION   | Carter<br>Coleman  |
| May 17   | 9:00 a.m.   | ECONOMIC DEVELOPMENT AUTHORITY   |  |
| May 21   | 9:30 a.m.<br>11:00 a.m.<br>11:30 a.m.<br>1:30 p.m.<br>7:00 p.m. | ECONOMIC DEVELOPMENT COMMITTEE<br>REASSESSMENT COMMITTEE<br>EMERGENCY SERVICES COMMITTEE<br>STAFF BRIEFING<br>RECYCLING COMMITTEE    | Bragg & Pattie<br>Bragg & Pattie<br>Shull & Kelley<br>All Members<br>Coleman     |
| May 22   | 8:30 a.m.<br>7:00 p.m.  | DEPT OF SOCIAL SERVICES<br>AUGUSTA COUNTY EMERGENCY SERVICES   | Carter<br>All Members  |
| May 23   | 7:00 p.m.   | BOS MEETING  | All Members  |

DATE: Mar 22 2018  
H:calendar

\*\*All meetings are at the Government Center unless otherwise noted.



**M E M O R A N D U M**

March 22, 2018

TO: Augusta County Board of Supervisors

FROM: Timothy K. Fitzgerald, County Administrator

SUBJECT: **STAFF BRIEFING, MONDAY, MARCH 26, 2018, 1:30 p.m.**  
**Board Meeting Room, Government Center, Verona, VA**

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| ITEM NO. | DESCRIPTION  |
|----------|--|
| S/B-01   | <b>1:30 p.m. <u>VDOT ROADS (SEE ATTACHED)</u></b><br>Report by VDOT  |
| S/B-02   | <b><u>ECONOMIC DEVELOPMENT (SEE ATTACHED)</u></b><br>Report by Staff   |
| S/B-03   | <b><u>FIRE AND RESCUE (SEE ATTACHED)</u></b><br>Report by Staff  |
| S/B-04   | <b><u>DEPARTMENT OF SOCIAL SERVICES</u></b><br><b><u>ANNUAL REPORT</u></b><br>Report by Staff  |
| S/B-05   | <b><u>RECREATION MATCHING GRANT REQUEST (SEE ATTACHED)</u></b><br>Discuss funding to assist with Phase 1 of the development of a new Primary Playground at Cassell Elementary School.<br><br>Funding Source: Wayne P&R Infrastructure 80000-8027-44 \$15,000.00<br>Middle River P&R Infrastructure 80000-8022-51 \$15,000.00 |
| S/B-06   | <b><u>WATERSHED PROJECT CLOSEOUT (SEE ATTACHED)</u></b><br>Discuss the South River and Upper North River Watershed project closeouts.  |
| S/B-07   | <b><u>WOODROW WILSON REHAB CENTER STUDY (SEE ATTACHED)</u></b><br>Discuss recommendations for the WWRC Small Area Study.   |
| S/B-08   | <b><u>SMART SCALE (SEE ATTACHED)</u></b><br>Discuss transportation projects for Smart Scale Round 3 applications.  |

S/B-09

**PLANNING COMMISSION/PUBLIC HEARINGS**  
**(SEE ATTACHED)**

- 1) Ordinance to amendment Section 25-77.4 of the Augusta County Code. Planning Commission recommends approval.
- 2) Ordinance to amend Section 25-71.1 of the Augusta County Code. Planning Commission recommends approval with a modification.
- 3) Ordinance to amend Sections 25-33 of the Augusta County Code. Planning Commission recommends approval.
- 4) Ordinance to amend Section 25-673 of the Augusta County Code. Planning Commission recommends approval.
- 5) Ordinance to amend Section 25-20 of the Augusta County Code to clarify that public utility distribution, transmission and collection lines for the furnishing of utility services to the public, rather than specifically for local service, shall be permitted in all districts. Planning Commission recommends approval with change in wording.
- 6) Ordinance to amend Sections 25-68.7 & 25-68.9 of the Augusta County Code. Planning Commission recommends approval.
- 7) Ordinance to amend Section 25-74.H of the Augusta County code. Planning Commission recommends approval.
- 8) Ordinance to amend Section 25-74.I of the Augusta County Code. Planning Commission recommends approval.
- 9) Ordinance to add Section 25-74.R of the Augusta County code. Planning Commission recommends approval.
- 10) Ordinance to add Section 25-74.S of the Augusta County Code. Planning Commission recommends approval.
- 11) Ordinance to add Section 25-74.T of the Augusta County Code. Planning Commission recommends approval.
- 12) Ordinance to amend Chapter 25 of the Augusta County Code. The planning Commission recommends approval as written with recommendations noted.

S/B-10

**WAIVERS**

S/B-11

**MATTERS TO BE PRESENTED BY THE BOARD**

S/B-12

**MATTERS TO BE PRESENTED BY STAFF**

S/B-13

**CLOSED SESSION (SEE ATTACHED)**

S/B-14

**BUDGET WORKSESSION (COUNTY ADMIN CONF. ROOM)**  
Discuss FY18-19 Budget.

VDOT Report  
March 26, 2018

Mr. Kelley (Beverly Manor)

- RTE 262 and RTE 613 (Spring Hill Rd) - Intersection Improvement Plan still under review by VDOT.
- Verona sidewalk TAP application – RTE. 11 and RTE. 612 field review completed, application was submitted on November 1<sup>st</sup>.
- RTE 612 (Laurel Hill Rd) Low shoulders on turning radii at crossover from I-81 have been addressed
- RTE 637 (Jericho Rd) has been graded and stone added

Dr. Pattie (North River)

- RTE 744 (Leaport Rd.) - Rural Rustic project progressing as scheduled.
- RTE 813 (Maury Mill Rd) – Planning to replace existing deficient box culvert, meeting with utility companies to determine plans for relocations.
- RTE 756 (Fairburn Rd) - Sharp curve scheduled to be addressed, drainage upgrades are planned waiting on environmental clearance.
- RTE 843 (Drainage Divide Rd) – Roadway stabilization project is being reviewed and solicitation for asphalt milling material underway.
- RTE 738 (Roudabush Rd.) End of road turn around scheduled for construction and possible test area for asphalt millings on a non-hard surface being reviewed
- RTE 753 (Nash Rd) Tree clearing operations underway for future Rural Rustic Project.
- RTE 910 (Wampler Rd) Tree clearing operations underway for future Rural Rustic project
- RTE 690 (Summit Church Rd) Potholes have been addressed
- RTE 646 (Fadley Rd) Potholes have been addressed
- RTE 760 (Bunker Hill Rd) edge of pavement repairs scheduled for spring when asphalt plants open up
- All non-hard surface roads have been graded and spot placement of gravel has been applied

Mrs. Bragg (South River)

- Update on Route 610 (Howardsville Turnpike) –Awarded July 11<sup>th</sup> to AR Coffey & Sons (\$2,438,619.57). Currently working on water and sewer line placement through the winter and then begin grading operations on roadway portion this spring.

- RTE 608 (Cold Springs Rd.) –Delineators have been installed at the pole just south of the Stump Elementary School entrance. Discussion taking place with utility companies regarding possible additional delineation of other poles in the area.
- Wayne Ave. coordination with County and Aug County Service Authority continuing.

Mr. Garber (Middle River)

- RTE 774 (Broad Run Rd.) - 8'x4'x36' box culvert has been received. Replacement being schedule for the last week of March has been moved out to the 2<sup>nd</sup> week of April due to scheduling conflict.
- RTE 340 – North of RTE 616 (Belvedere Rd.) Cut high shoulder to improve sheet flow drainage has been environmentally approved and scheduled for 330' feet NBL
- RTE 996 (Chapel Hill Rd) Boom Axe brush cutting operations are complete
- RTE 994 (Dice's Spring Rd) pot holes repaired and entire road scheduled for asphalt scratching this spring.
- Continuing to address non-hard surface roads with grading and spot gravel for the muddy areas

Mrs. Carter (Pastures)

- RTE 840 (Old Churchville Rd) Triple line of CMP pipes to be replaced with 7'x 5' box culvert has been delivered, waiting on environmental clearances due to wet land delineation. Scheduled installation in March 2018 has been rescheduled for April.
- RTE 250 Guard Rail repairs on Shenandoah Mtn has been scheduled at the end of April
- RTE 42 New guard rail installation south of Shenandale Gun Club has been scheduled for the end of April first part of May
- RTE 262 boom axe brush cutting operations have been completed
- Multiple routes in and around the Town of Craigsville have been boom axed for brush cutting
- All non-hard surface roads have been graded and spot gravel has been placed in the muddy areas

Mr. Coleman (Wayne)

- RTE 358 (WWRC Small Area Study) Public Meeting/Open House held on January 31, 2018. Consultant gave presentation on three options under consideration to the Staunton/Augusta/Waynesboro MPO Policy Board on March 7, 2018.
- RTE 642 (Mule Academy Rd.) - DO NOT BLOCK ENTRANCE sign will be installed on eastbound Rt 250 at commercial entrance.
- RTE 608 (Long Meadow Rd.) – Right turn lane onto RTE 250 West – Revenue sharing project under development.
- RTE 834 (Hickory Hill Rd.) shoulders have been graded and stone added
- RTE 640 (Goose Creek) shoulders have been repaired and stone added
- RTE 631 (Ladd Rd) shoulder have been repaired and stone added
- RTE 631 (Ladd Rd) - construction of new southbound right turn lane at the intersection with US 340 being considered.

Mr. Shull (Riverheads)

- RTE 681 Mt Herman Rd. –Have begun cutting trees ahead of the “Bat restriction” in April. Waiting on delivery of new structure and environmental permit to schedule installation.
- RTE 11 (Lee Hwy) -Turning lane crack sealing operations are under way to be completed in April.
- Intersection RTE 692 (Stover School Rd) and RTE 693 (Berry Moore Rd) – Brush clearing to improve sight distance has been scheduled and will be completed before spring mowing season.
- Continuing to address non- hard surface roads with grading and spot gravel placement.
- Intersection of RTE 11 and RTE 666 (Lofton Rd) being reviewed for possible improvements to intersection approach and turning radius.
- RTE 701 (Howardsville Rd.) Shoulders have been repaired and stone added
- RTE 252 (Middlebrook Rd) from RTE 693 to RTE 701 shoulders have been repaired and stone added.
- RTE 674 (Pilson Rd) – Traffic count has been scheduled.



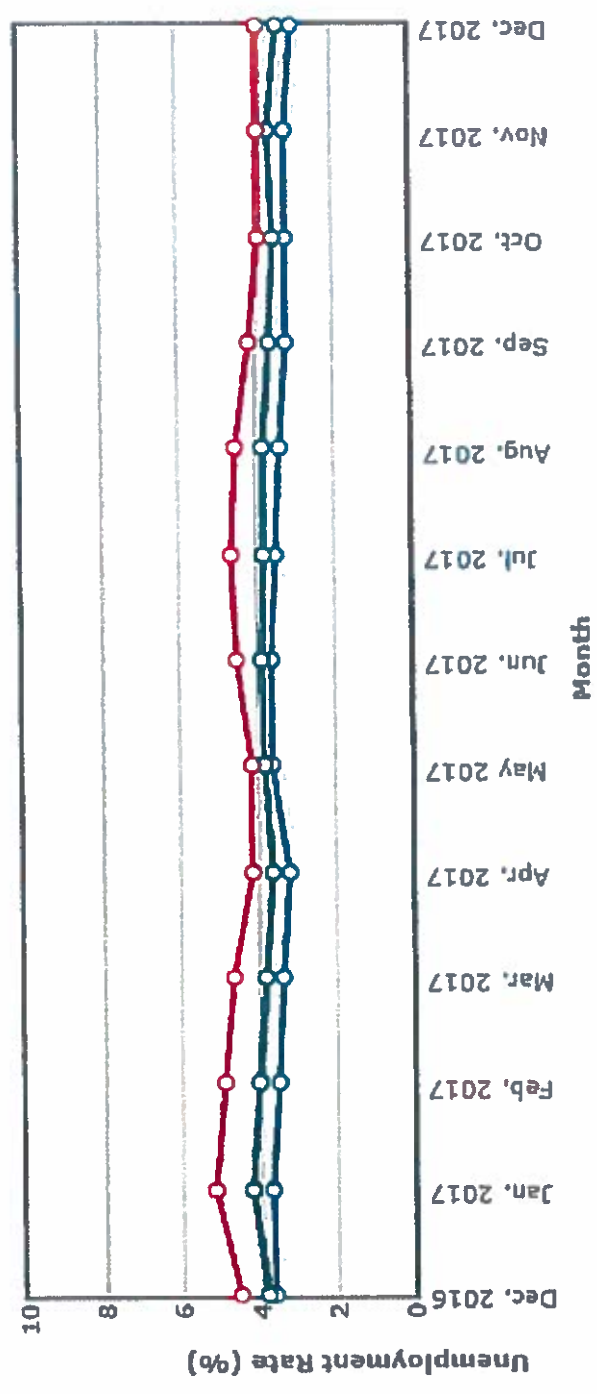
# Economic Development Monthly Report for February 2018

Unemployment Rate  
Business Licenses Issued  
Prospect Generation  
Mill Place Commerce Park  
BCC Grant/CTE Strategic Plan  
Economic Development Authority  
Existing Industry Visits  
Partner Agency Interaction  
Shenandoah Valley Partnership  
Small Business Development Center  
Tourism Highlight  
Marketing Initiatives/Media



As of 3/15/18

### Unemployment Rates Past 12 Months

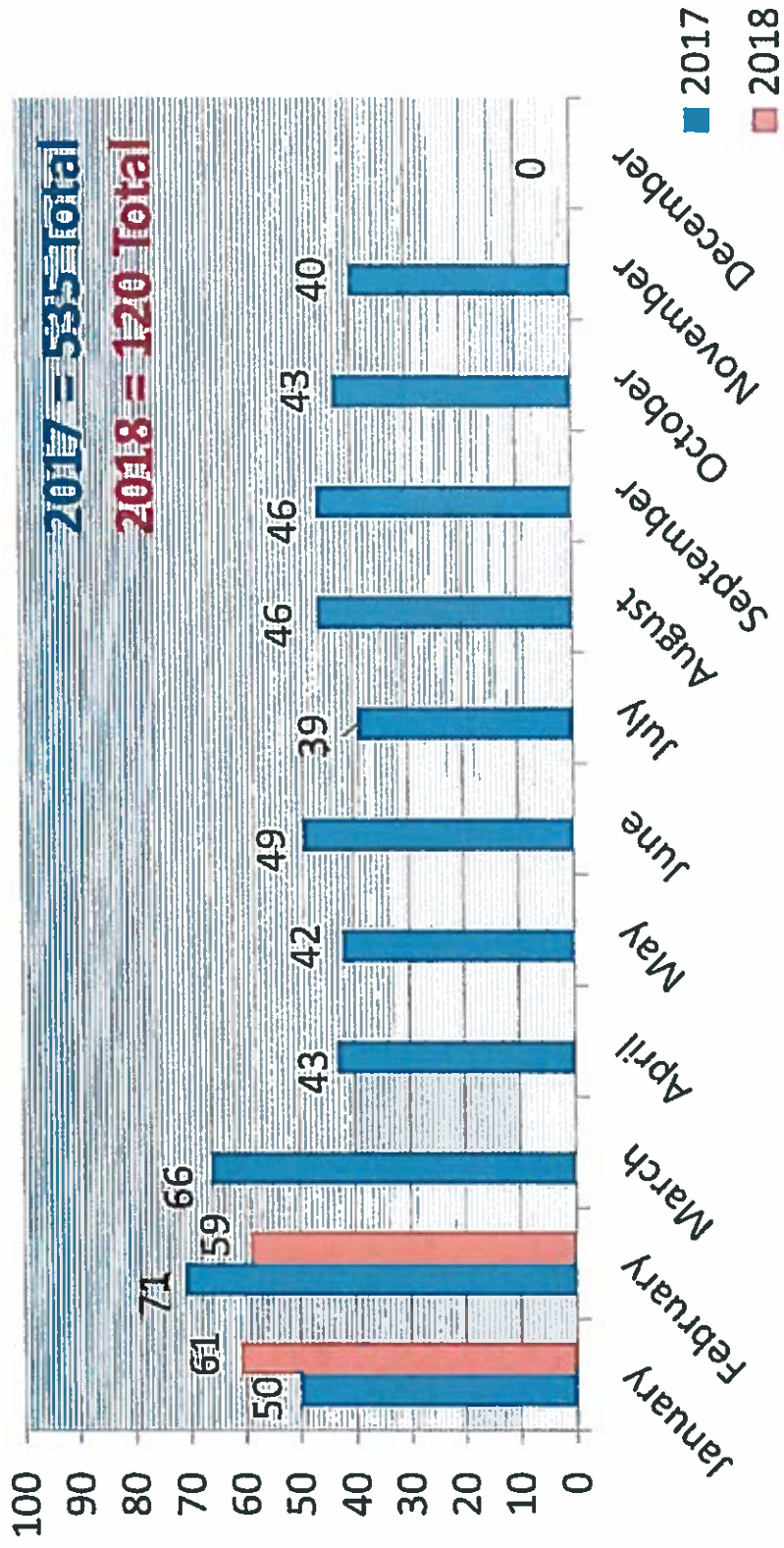


**December 3.0%**  
Labor Force: 37,325  
Employed: 36,223  
Unemployed: 1,102

Augusta County    Virginia    United States



# Business Licenses Issued



# Prospect Generation (CY 2018)

Prospect Generation: Calendar Year 2018

Qualified Lead: Companies with a future project or relocation plan with which Augusta County is engaged

Prospect Visit: Companies that have visited Augusta County

|                               | 2018 YTD | Goal            | Prior Year      |
|-------------------------------|----------|-----------------|-----------------|
|                               | Total    | 2018            | 2017            |
| Marketing Missions            |          | 0               | 2               |
| Outreach VEDP                 |          | 1               | 3               |
| <b>Total Outreach</b>         | <b>0</b> | <b>1</b>        | <b>5</b>        |
| Leads/SVP/VEDP                | 2        | 15              | 18              |
| Leads/Other                   | 5        | 15              | 17              |
| <b>Total Leads</b>            | <b>7</b> | <b>30</b>       | <b>35</b>       |
| Prospect Visits/SVP/VEDP      |          | 2               | 1               |
| Prospect Visits/Other         |          | 2               | 3               |
| <b>Total Prospect Visits</b>  | <b>0</b> | <b>4</b>        | <b>4</b>        |
| <b>ANNOUNCED ACTIVITY</b>     | <b>0</b> | <b>4</b>        | <b>6</b>        |
| Expansion Projects Announced* |          | 3               | 5               |
| New Company Locations*        |          | 1               | 1               |
| Capital Investment (millions) |          | \$75,000,000.00 | \$25,520,000.00 |
| Jobs Created                  |          | 150             | 183             |
| Jobs Retained                 |          |                 |                 |



# Mill Place Commerce Park

**Walking Trail:** (Moffett) Trail construction started in January 2018.

**Zoning/Covenants:** Zoning: Staff preparation of Special Use Permit conditions. Covenants: Staff discussion with Lenhart Pettit 3/6/18.

**InterChange/Sumitomo:** Grand Opening – May 17<sup>th</sup> @ 11am

**Blue Ridge Machine Works: Construction** loan approved in March. Work to begin in March.

**Centerview Drive:** finishing sidewalk, etc



# BCC Grant/CTE Strategic Plan

*Building Collaborative Communities*

*Staunton, Augusta, Waynesboro Career and Technical Education*

- Project Management Meeting: 2/22/18 and 3/22/18
- Dr. Camille Miller talked one-on-one with industries to gather their initial feedback/impressions of technical education services in the community
- Surveys conducted and received by 3/16/18
- Work sessions with industries, CTE teachers, etc occurring in March
- **Monthly Project Management Team meeting: fourth Thursday of the month, 3-4pm, Government Center**



# Economic Development Authority

*(Regular meetings every other month  
on the third Thursday at 11am)*

- Last meeting: March 15, 2018
- Next meeting: May 17, 2018 @ 9am

Remember to refer people to the  
**Augusta Small Business Loan Fund**



# Existing Industry Visits

(Goal: 40 visits/year)

Grand Caverns (2/6)

Trinity Turf (2/14)

Shamrock Farms (2/21)



# Partner Agency Interaction

- VEDA
  - Executive Committee Intro (2/8)
  - Public Policy Meeting  
Conference Call (2/2, 2/9)
- Shenandoah Valley Tourism Partnership
  - Monthly Meeting (2/1)
- Mill Place Businesses Zoning Meeting (2/6)
- GART
  - Beerwerks Monthly Meeting (2/13)
- Public Relations Council (2/27)



# Shenandoah Valley Partnership Update

- Shenandoah Valley Regional Airport Forum 2/23
- Marketing Committee 2/23

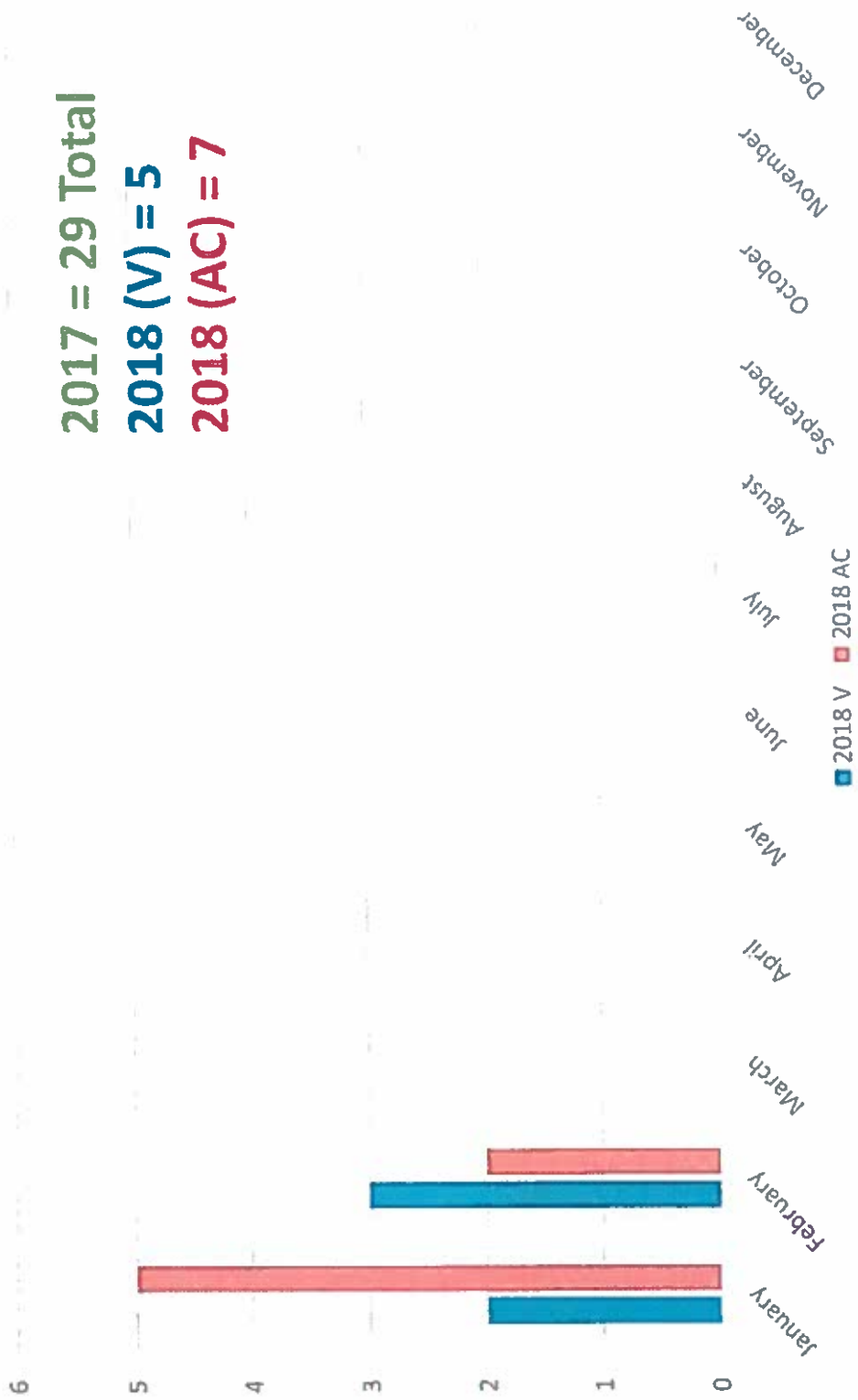


# Small Business Development Center

|  | Clients Seen | Sessions | Hours | Attendees | Events |
|--|--------------|----------|-------|-----------|--------|
| SBDC-All Offices<br><i>February 2017</i>             | 36           | 43       | 79    | 31        | 3      |
| Verona Office<br><i>February 2017</i>                | 3            | 3        | 9     | 6         | 1      |
| SBDC-All Offices<br><i>February 2018</i>             | 35           | 51       | 112   | 193       | 5      |
| Verona Office<br><i>February 2018</i>                | 3            | 3        | 5     | 4         | 1      |
| Total Augusta County Clients<br><i>February 2018</i> | 2            | 3        | 5     | 7         |        |



# Small Business Development Center Clients Seen (Verona Office/Aug Cty)



2017 = 29 Total  
2018 (V) = 5  
2018 (AC) = 7

2014 = 32 Total; 2015 = 43 Total; 2016 = 26 Total

# Tourism Highlights



ABOUT FOOD & DRINK LODGING WEDDINGS HISTORY CONTACT US

**AUGUSTA COUNTY, VA**  
**ALL AUGUSTA, ALL OUTSIDE**

Augusta County lives outside. We have fun outside, eat outside and, if we're in the mood, even sleep outside. So, whether you prefer camping out under the stars or relaxing with all the amenities and the comfort of a warm bed, Augusta's wide range of affordable lodging options make us the perfect choice for your getaway to Virginia's Shenandoah Valley.

Launched 3/8/18 • [www.visitaugustacounty.com](http://www.visitaugustacounty.com)

# Tourism Highlights



- *GART Grants*
  - Four grants awarded, \$2,500/grant
    - Virginia Food Truck Battle
    - Queen City Mischief & Magic
    - Wayne Theatre
    - Antique Shoppers Guide to SAW

# Marketing Initiatives

- Facebook Pages
  - #takeovertuesday initiative through 2018
  - 205 “likes” and growing as of March ‘18
- “The Current View” Electronic Monthly Newsletter
  - List includes 349 names as of March ‘18
  - 41% open rate for February newsletter



## Marketing Initiatives - Recent Media

- New retail, hotel coming to Fishersville, News Leader (February 21)
- New hotel, retail and care center coming to Fishersville, WHSV (February 22)
- Meadowcroft farm owners open Inn, NBC29 (February 22)





## AUGUSTA COUNTY FIRE-RESCUE

County Government Center  
18 Government Center Lane  
P.O. Box 590, Verona, VA 24482

Main Office Line: (540) 245-5624 - Fax Line: (540) 245-5356

[www.co.augusta.va.us](http://www.co.augusta.va.us)  
[firerescue@co.augusta.va.us](mailto:firerescue@co.augusta.va.us)

March 16, 2018

### AUGUSTA COUNTY FIRE-RESCUE REPORT

#### February 2018

In February, fire and rescue agencies that serve the County of Augusta received a combined total of 1,365 calls, of which 43 were calls turned over to next due agencies. Of those calls turned over 21 were due to being on a previous call. Fire agencies received 532 fire and EMS calls, of which 15 were turned over to next due agencies. Rescue agencies received 833 EMS calls, of which 28 were turned over to next due agencies.

Chief Carson Holloway attended multiple staff meetings, met with the Region 2 HMO Craig Strawdennan, and talked with VVTC. He attended the ACFD annual banquet, County Admin staff meeting, and Dinner with the Chiefs. Chief Holloway met with the hiring team on the upcoming process and attended the Accreditation Advisory Board kickoff at the Training Center. He met with Chief Brooks regarding their brush truck, taught Instructor 1 in Strasburg, and joined Captain Lawler to give performance recognitions at Company 10. The Chief and Lt. Craun met with the County Administrator and others on the FY19 Budget. He attended the Fire Rescue Conference which included; 12 hours Officer training, a Volunteer Recruitment and Retention meeting, and a Training Committee meeting with the Virginia Fire Board. In addition, he met with the Emergency Services Committee, participated in the Spring EMT Class introduction, attended the Airport & Policy Academy Planning Drill, and a planning meeting with the County Administrator, ACSO, and ECC.

The Finance Department reported to Fire-Rescue that Revenue Recovery funds collected in February for previous months was \$124,449.11. The number of transport incidents in February: Deerfield-5, Churchville-24, Stuarts Draft-78, Preston L. Yancey-102, Craigsville-Augusta Springs-27, New Hope Vol-1, New Hope Career-35, Mount Solon-9, Riverheads-29, and Weyers Cave-42, total for the month-352.

Lieutenant Minday Craun worked with staff on budget preparations and presented to Mr. Fitzgerald and Mrs. Whetzel along with Chief Holloway. She participated in the State Recruitment and Retention meeting and attended the volunteer recruitment section of the Fire and EMS Conference. Four mobile home courts were visited to check/install smoke alarms, along with several individual visits. Lieutenant Craun also presented a recruitment talk along with Lieutenant Hall and the crew at Verona Vol. Fire Company (career and volunteers) at Fort Defiance High School. She attended several meetings and trainings. Statistics for February 2018 include; 150 recruitment contacts, 100 public education contacts, 26 volunteer visits, and 6 station visits.

Training Division staff spent several hours preparing for and conducting the station training on stretcher operations, the upcoming Regional Fire School, preparing for Fire Academy skills days, general maintenance and clean up around the center and on reserve apparatus, and various other projects. The staff also spent numerous hours preparing for the delivery and storage of new training equipment, continued working on the documents for the EMS Training Accreditation, conducted meetings for the Accreditation Advisory Board, and continued planning for upcoming classes. Training Captain Shaver and Specialist Hull spent 4 days at the Virginia Fire Rescue Conference where they attended classes on leadership, officer development, organizational culture, new approaches in teaching, and attended VFSB meetings on current issues around the Commonwealth.

EMT Class & Fire Academy had a combined total of 76 students for a total of 1,526 student man hours, 64 career staff instructor hours, and 88 other instructor hours in February.

Division Commander Greg Schacht attended numerous staff meetings, Middlebrook, ACFD, and Riverheads volunteer membership meetings. He met with the Chief on numerous projects, budget, and staffing, and with the Captains on different projects. DC Schacht met with numerous contractors on current infrastructure projects, attended the CSPD wildfire community planning meeting, planning meetings on a potential protest event, assisted with grading the RFP for turnout gear. He assisted with moving apparatus around, obtaining station supplies, covered staffed stations, put a Knox Box in-service, reviewed timesheets, and developed the March schedule. DC Schacht attended the Fire Rescue Conference, completed annual patient lifting and moving training, and taught building construction for the Fire Academy. He reviewed 4 site plans, visited 34 station, and responded to 6 Duty Officer Calls.

Division Commander Jeff Hurst had 11 Duty Officer calls (dispatched that required at least monitoring) and conducted 38 station visits. He continued to work with Finance and Augusta County volunteers on the turnout gear RFP. DC Hurst answered several call this month working with agents from VSPD, United States Postal Inspector's Office, VDEM, and ACSO. Along with Chief Holloway and Captain Bailey, he met with Craig Strawderman and Ray Earp, VDEM HMO for our area. DC Hurst and Captain Lawler met with Hunter Willis on Stryker options for service and stretcher repair. He attended staff meetings, maintained communication regarding Haz-Mat with Captain Bailey, and vehicle maintenance with Captain Hewitt. In addition he attended stretcher training, assisted with the transfer of vehicles for repair, and worked with others on an IAP for the potential protest event. DC Hurst continued to administer the Drug and Alcohol testing program, to manage and oversee East Division staff and act as a liaison to the volunteers of Augusta County, attending their meetings as requested.

EMS Captain Matt Lawler participated in meetings with staff and the OMDs. He continued to order and deliver EMS supplies and maintain EMS equipment/apparatus. Captain Lawler attended numerous meetings; Provider Health and Safety Committee, VAGEMSA, and the State EMS Advisory Committee. He continued to work with other departments to optimize patient documentation and revenue recovery processes, provided oversight of maintenance for ambulances and response vehicles, and provided quality assurance follow-up to providers and OMDs. Captain Lawler participated in the Hiring Team meeting, attended the monthly Chiefs' Lunch, as well as participating in an Advisory meeting with Training Specialist Charles Earley. He reviewed timesheets and conducted numerous station visits. In addition, he met with the Stryker representative along with DC Hurst, conducted stretcher training a numerous stations, held a meeting with the EMS Supervisors regarding Mission Lifeline, and attended a GlideScope GO demo at the Training Center. Most of the month was dedicated to preparing for the upcoming Virginia Office of EMS inspection.

EMS Supervisors responded to 35 incidents, 8 which required ALS intervention. Department preceptors mentored EMS students and personnel on 4 shifts totaling 32 hours.

A-Shift Captain Bryan Mace attended a meeting with the Chief, Division Commanders, and Captains. He attended several shift training sessions, regular weekly staff meetings, and reviewed timesheets for February. He assisted with moving fire apparatus, ambulances, and equipment to different locations to ensure service delivery, worked throughout the first of the month on multiple scheduling issues, and assisted the other Captains with maintaining the February schedule once it was posted. Captain Mace worked on training on the Active 911 system for preplans, answered several calls with the shift, and worked on several other projects as assigned by Admin. He continued to work with Augusta Health Workplace Wellness on department fit testing, evaluated and participated in several on shift training sessions with the current staff, and attended the Va. Fire Rescue Conference.

B-Shift Captain Bernie Hewitt was staffing on the truck and filled in where needed. He worked on staffing the shift to make sure coverage was available for openings throughout the month, attended meetings when staffing

allowed and, continued to keep open lines of communication with each of his Lieutenants via email, phone, or station visits when available. Captain Hewitt coordinated apparatus maintenance and repair, and moving of apparatus as needed to provide coverage. He worked on CE hours for his Paramedic and participated in shift training when available. In addition he taught classes for the Fire Academy and assisted shift personnel with various projects.

C-Shift Captain Josh Bailey filled sick call outs and filled in at stations as needed. He worked 48 hours overtime to cover Officers away at the Fire Rescue Conference. Captain Bailey conducted non-emergency Duty Officer duties as required, completed all required EMS training on Target Solutions internet based system, as well as practical fire related training with Station 11 staff.

Respectfully submitted,



Carson Holloway, Fire-Rescue Chief

DCH/cjh

## FIRE DEPARTMENT EMERGENCY INCIDENTS

Feb-18

| FIRE AGENCIES          | TOTAL         | FIRES      | EMS        | MVC        | PUBLIC SERVICE | OTHER      | CALL TURNED OVER TO NEXT DUE |
|------------------------|---------------|------------|------------|------------|----------------|------------|------------------------------|
| Staunton - SSI         | 4             | 2          | 0          | 1          | 0              | 1          | 0                            |
| Staunton - SS2         | 2             | 1          | 1          | 0          | 0              | 0          | 0                            |
| 1 - Waynesboro         | 10            | 7          | 1          | 2          | 0              | 0          | 0                            |
| 2 - Deerfield          | 4             | 0          | 0          | 1          | 0              | 3          | 0                            |
| 3 - Middlebrook        | 13            | 1          | 11         | 0          | 0              | 1          | 0                            |
| 4 - Churchville        | 14            | 4          | 1          | 2          | 2              | 5          | 0                            |
| 5 - Weyers Cave        | 42            | 9          | 8          | 14         | 4              | 7          | 0                            |
| 6 - Verona             | 51            | 3          | 18         | 17         | 2              | 11         | 2                            |
| 7 - Stuarts Draft      | 36            | 23         | 0          | 4          | 1              | 8          | 0                            |
| 8 - Craigsville        | 26            | 0          | 16         | 6          | 2              | 2          | 2                            |
| 9 - Dooms              | 37            | 7          | 20         | 7          | 0              | 3          | 1                            |
| 10 - Augusta County*   | 81            | 25         | 21         | 24         | 0              | 11         | 1                            |
| 11 - Preston L. Yancey | 73            | 34         | 9          | 14         | 5              | 11         | 0                            |
| 12 - Raphine           | 11            | 0          | 4          | 3          | 0              | 4          | 0                            |
| 14 - Swoope            | 22            | 5          | 8          | 6          | 2              | 1          | 0                            |
| 15 - Bridgewater       | 4             | 1          | 1          | 1          | 0              | 1          | 0                            |
| 17 - Clover Hill       | 0             | 0          | 0          | 0          | 0              | 0          | 0                            |
| 18 - New Hope          | 13            | 3          | 2          | 5          | 0              | 3          | 5                            |
| 19 - Wilson            | 14            | 11         | 0          | 0          | 0              | 3          | 2                            |
| 20 - Grottoes          | 12            | 3          | 5          | 3          | 1              | 0          | 0                            |
| 21 - Mt. Solon         | 14            | 2          | 2          | 7          | 0              | 3          | 1                            |
| 25 - Riverheads        | 40            | 12         | 12         | 12         | 1              | 3          | 1                            |
| 80 - Walkers Creek     | 4             | 0          | 3          | 0          | 0              | 1          | 0                            |
| SVRA                   | 1             | 0          | 0          | 0          | 0              | 1          | 0                            |
| Goshen                 | 1             | 0          | 0          | 1          | 0              | 0          | 0                            |
| South River            | 1             | 0          | 0          | 0          | 0              | 1          | 0                            |
| Wintergreen            | 2             | 1          | 0          | 1          | 0              | 0          | 0                            |
| <b>TOTALS</b>          | <b>532</b>    | <b>154</b> | <b>143</b> | <b>131</b> | <b>20</b>      | <b>84</b>  | <b>15</b>                    |
| <b>PERCENTAGES</b>     | <b>100.0%</b> | <b>29%</b> | <b>27%</b> | <b>25%</b> | <b>4%</b>      | <b>16%</b> | <b>2.8%</b>                  |

*\*Of the 81 calls listed above, Augusta County FD responded to 28 calls within the City of Staunton for a total of 61 YTD*

# RESCUE SQUAD EMERGENCY INCIDENTS

Feb-18

| RESCUE AGENCIES               | TOTAL       | CARDIAC     | RECREATIONAL DIFFICULTY | UNRESPONSIVE | SICK         | INJURY       | MVC          | FIRE        | OTHER       | CALLER NUMBER UNKNOWN |
|-------------------------------|-------------|-------------|-------------------------|--------------|--------------|--------------|--------------|-------------|-------------|-----------------------|
| 1 - Waynesboro                | 58          | 2           | 8                       | 5            | 23           | 12           | 6            | 1           | 1           | 0                     |
| 2 - Deerfield                 | 8           | 0           | 0                       | 1            | 6            | 0            | 1            | 0           | 0           | 0                     |
| 4 - Churchville               | 44          | 6           | 1                       | 0            | 21           | 10           | 4            | 0           | 2           | 2                     |
| 5 - Staunton/Augusta          | 139         | 12          | 16                      | 4            | 60           | 21           | 21           | 1           | 4           | 2                     |
| 6 - Stuarts Draft             | 132         | 6           | 17                      | 5            | 60           | 20           | 7            | 11          | 6           | 8                     |
| *Special Events - Reserve Amb | 0           | 0           | 0                       | 0            | 0            | 0            | 0            | 0           | 0           | 0                     |
| 11 - Preston L. Yancey        | 162         | 11          | 21                      | 6            | 60           | 34           | 12           | 12          | 6           | 1                     |
| 15 - Bridgewater              | 7           | 2           | 1                       | 0            | 2            | 1            | 1            | 0           | 0           | 0                     |
| 16 - Craigsville/Aug. Spgs.   | 51          | 8           | 6                       | 2            | 28           | 4            | 2            | 0           | 1           | 2                     |
| 18 - New Hope                 | 43          | 6           | 4                       | 2            | 18           | 7            | 4            | 2           | 0           | 5                     |
| 20 - Grottoes                 | 26          | 4           | 2                       | 0            | 10           | 6            | 4            | 0           | 0           | 1                     |
| 21 - Mount Solon              | 16          | 2           | 0                       | 0            | 4            | 4            | 5            | 0           | 1           | 0                     |
| 25 - Riverheads               | 66          | 5           | 6                       | 6            | 26           | 11           | 8            | 2           | 2           | 2                     |
| 26 - Weyers Cave              | 77          | 7           | 7                       | 3            | 34           | 11           | 12           | 1           | 2           | 5                     |
| Augusta Health Transport      | 0           | 0           | 0                       | 0            | 0            | 0            | 0            | 0           | 0           | 0                     |
| Wintergreen                   | 4           | 0           | 0                       | 0            | 1            | 2            | 1            | 0           | 0           | 0                     |
| <b>TOTALS</b>                 | <b>833</b>  | <b>71</b>   | <b>89</b>               | <b>34</b>    | <b>353</b>   | <b>143</b>   | <b>88</b>    | <b>30</b>   | <b>25</b>   | <b>28</b>             |
| <b>PERCENTAGES</b>            | <b>100%</b> | <b>8.5%</b> | <b>10.7%</b>            | <b>4.1%</b>  | <b>42.4%</b> | <b>17.2%</b> | <b>10.6%</b> | <b>3.6%</b> | <b>3.0%</b> | <b>3.4%</b>           |

EMERGENCY CALLS RECEIVED THROUGH EOC  
MONTHLY REPORT FOR 2018

| FIRE & RESCUE COMPANIES        | January       | February      | March         | April         | May           | June          | July          | August        | September     | October       | November      | December      | Total Calls | % of Fire or Rescue Total | % of Combined Total |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------------------|---------------------|
|                                | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls | Monthly Calls |             |                           |                     |
| Stamton SSI                    | 11            | 4             |               |               |               |               |               |               |               |               |               |               | 15          | 1.23%                     | 0.50%               |
| Stamton SSJ                    | 6             | 2             |               |               |               |               |               |               |               |               |               |               | 8           | 0.66%                     | 0.27%               |
| 1 - Weyersham                  | 16            | 10            |               |               |               |               |               |               |               |               |               |               | 26          | 2.13%                     | 0.86%               |
| 2 - Deerfield                  | 3             | 4             |               |               |               |               |               |               |               |               |               |               | 7           | 0.57%                     | 0.23%               |
| 3 - Middlebrook                | 18            | 13            |               |               |               |               |               |               |               |               |               |               | 31          | 2.54%                     | 1.03%               |
| 4 - Churchville                | 28            | 14            |               |               |               |               |               |               |               |               |               |               | 42          | 3.45%                     | 1.40%               |
| 5 - Weyers Cave                | 64            | 42            |               |               |               |               |               |               |               |               |               |               | 106         | 8.70%                     | 3.22%               |
| 6 - Verona                     | 72            | 51            |               |               |               |               |               |               |               |               |               |               | 123         | 10.09%                    | 4.09%               |
| 7 - Sturts Drail               | 34            | 36            |               |               |               |               |               |               |               |               |               |               | 70          | 5.74%                     | 2.33%               |
| 8 - Cragsville                 | 25            | 26            |               |               |               |               |               |               |               |               |               |               | 51          | 4.18%                     | 1.69%               |
| 9 - Doods                      | 30            | 37            |               |               |               |               |               |               |               |               |               |               | 87          | 7.14%                     | 2.89%               |
| 10 - Augusta County            | 93            | 81            |               |               |               |               |               |               |               |               |               |               | 174         | 14.27%                    | 5.78%               |
| 11 - Preston L. Yancey         | 71            | 73            |               |               |               |               |               |               |               |               |               |               | 144         | 11.81%                    | 4.78%               |
| 12 - Raphine                   | 15            | 11            |               |               |               |               |               |               |               |               |               |               | 26          | 2.13%                     | 0.86%               |
| 14 - Swope                     | 33            | 22            |               |               |               |               |               |               |               |               |               |               | 55          | 4.51%                     | 1.83%               |
| 15 - Bridgewater               | 9             | 4             |               |               |               |               |               |               |               |               |               |               | 13          | 1.07%                     | 0.43%               |
| 17 - Clover Hill               | 1             | 0             |               |               |               |               |               |               |               |               |               |               | 1           | 0.08%                     | 0.03%               |
| 18 - New Hope                  | 31            | 13            |               |               |               |               |               |               |               |               |               |               | 44          | 3.61%                     | 1.46%               |
| 19 - Wilson                    | 19            | 14            |               |               |               |               |               |               |               |               |               |               | 33          | 2.71%                     | 1.05%               |
| 20 - Gratoes                   | 17            | 12            |               |               |               |               |               |               |               |               |               |               | 29          | 2.38%                     | 0.96%               |
| 21 - Mt. Solon                 | 18            | 14            |               |               |               |               |               |               |               |               |               |               | 32          | 2.63%                     | 1.06%               |
| 25 - Riverheads                | 39            | 40            |               |               |               |               |               |               |               |               |               |               | 79          | 6.48%                     | 2.62%               |
| 30 - Walkers Creek             | 3             | 4             |               |               |               |               |               |               |               |               |               |               | 7           | 0.57%                     | 0.23%               |
| SVRA                           | 4             | 1             |               |               |               |               |               |               |               |               |               |               | 5           | 0.41%                     | 0.17%               |
| Genchen                        | 3             | 1             |               |               |               |               |               |               |               |               |               |               | 4           | 0.33%                     | 0.13%               |
| South River                    | 3             | 1             |               |               |               |               |               |               |               |               |               |               | 4           | 0.33%                     | 0.13%               |
| Wintergreen                    | 1             | 2             |               |               |               |               |               |               |               |               |               |               | 3           | 0.25%                     | 0.10%               |
| R1 - W. Penn First Aid         | 70            | 58            |               |               |               |               |               |               |               |               |               |               | 128         | 10.5%                     | 4.25%               |
| R2 - Deerfield R.S.            | 11            | 8             |               |               |               |               |               |               |               |               |               |               | 19          | 1.66%                     | 0.63%               |
| R4 - Churchville R.S.          | 54            | 44            |               |               |               |               |               |               |               |               |               |               | 98          | 8.08%                     | 3.26%               |
| R5 - Stamton/Augusta R.S.      | 149           | 139           |               |               |               |               |               |               |               |               |               |               | 288         | 23.8%                     | 9.57%               |
| R6 - Sturts Drail R.S.         | 153           | 132           |               |               |               |               |               |               |               |               |               |               | 287         | 23.7%                     | 9.53%               |
| *Special Events - Reserve Amph | 0             | 0             |               |               |               |               |               |               |               |               |               |               | 0           | 0.00%                     | 0.00%               |
| R11 - Preston L. Yancey        | 166           | 162           |               |               |               |               |               |               |               |               |               |               | 328         | 27.3%                     | 10.90%              |
| R15 - Bridgewater R.S.         | 11            | 7             |               |               |               |               |               |               |               |               |               |               | 18          | 1.48%                     | 0.60%               |
| R16 - Craig/Augusta Spr.       | 52            | 51            |               |               |               |               |               |               |               |               |               |               | 103         | 8.53%                     | 3.42%               |
| R18 - New Hope                 | 74            | 43            |               |               |               |               |               |               |               |               |               |               | 117         | 9.75%                     | 3.89%               |
| R20 - Gratoes R.S.             | 35            | 26            |               |               |               |               |               |               |               |               |               |               | 61          | 5.08%                     | 2.03%               |
| R21 - Mt. Solon R.S.           | 26            | 16            |               |               |               |               |               |               |               |               |               |               | 42          | 3.45%                     | 1.40%               |
| R25 - Riverheads               | 72            | 66            |               |               |               |               |               |               |               |               |               |               | 138         | 11.5%                     | 4.58%               |
| R26 - Weyers Cave R.S.         | 82            | 77            |               |               |               |               |               |               |               |               |               |               | 159         | 13.25%                    | 5.28%               |
| Augusta Health Transport       | 0             | 0             |               |               |               |               |               |               |               |               |               |               | 0           | 0.00%                     | 0.00%               |
| Wintergreen                    | 1             | 4             |               |               |               |               |               |               |               |               |               |               | 5           | 0.41%                     | 0.17%               |
| <b>FIRE TOTALS</b>             | <b>687</b>    | <b>532</b>    | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>1219</b> | <b>10.00%</b>             | <b>40.50%</b>       |
| <b>RESCUE TOTALS</b>           | <b>958</b>    | <b>833</b>    | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>1791</b> | <b>14.8%</b>              | <b>59.50%</b>       |
| <b>TOTAL CALLS</b>             | <b>1645</b>   | <b>1365</b>   | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>3010</b> | <b>100.00%</b>            | <b>100.00%</b>      |

CALLS TURNED OVER TO NEXT  
DUE AGENCIES  
MONTHLY REPORT FOR 2018

| FIRE & RESCUE COMPANIES    | 118 (1) (4) (5) | January                           | February                          | March                             | April                             | May                               | June                              | July                              | August                            | September                         | October                           | November                          | December                          | Total<br>CALLS TURNED<br>OVER TO NEXT<br>DUE AGENCIES | % of Total |
|----------------------------|-----------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---|------------|
|                            |                 | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT | AGENCY<br>PREVIOUS<br>MONTH<br>PT |   |            |
| Stanton SSJ                | 13              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| Stanton SS2                | 8               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| Weyersburn                 | 26              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 2 Deerfield                | 7               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 3 Middlebrook              | 33              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 4 Churchville              | 42              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 5 Weyers Ctr               | 106             | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 6 Verona                   | 123             | 1                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 3   | 2.4%       |
| 7 Stuarts Hall             | 70              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 8 Craigsville              | 51              | 2                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 4   | 7.8%       |
| 9 Downs                    | 87              | 0                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 1   | 1.1%       |
| 10 Augusta County          | 174             | 0                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 1   | 0.6%       |
| 11 Preston L Yancy         | 144             | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 12 Raphine                 | 26              | 1                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 1   | 1.8%       |
| 14 Snovope                 | 55              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 15 Bridgewater             | 13              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 17 Clover Hill             | 1               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 18 New Hope                | 44              | 4                                 | 5                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 9   | 20.5%      |
| 19 Wilson                  | 33              | 0                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 6.1%       |
| 20 Grinross                | 79              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| 21 Mt Solon                | 32              | 1                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 6.3%       |
| 25 Riverheads              | 79              | 1                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 2.5%       |
| 40 Walkers Creek           | 7               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| SVRA                       | 5               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| Godien                     | 4               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| South River                | 4               | 1                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 1   | 25.0%      |
| Watergreen                 | 3               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| R1 W Horn (Fire Aid)       | 128             | 2                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 1.6%       |
| R2 Deerfield R S           | 19              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| R4 Churchville R S         | 98              | 6                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 8   | 8.2%       |
| R5 Stanton Augusta R S     | 288             | 1                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 3   | 1.0%       |
| R6 Stuarts Draft R S       | 287             | 8                                 | 8                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 16  | 5.6%       |
| Special Events Reserve Amb | 0               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | #DIV/0%    |
| R11 Preston L Yancy        | 128             | 1                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 0.6%       |
| R15 Bridgewater R S        | 18              | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| R16 Craig/Augusta Spr      | 103             | 3                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 5   | 4.9%       |
| R18 New Hope               | 117             | 7                                 | 5                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 12  | 10.3%      |
| R20 Grinross R S           | 61              | 1                                 | 1                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 2   | 3.3%       |
| R23 Mt Solon R S           | 42              | 3                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 3   | 7.1%       |
| R25 Riverheads R S         | 138             | 1                                 | 2                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 3   | 2.2%       |
| R26 Weyers Cave R S        | 159             | 6                                 | 3                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 11  | 6.9%       |
| Augusta Health Transport   | 0               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| Watergreen                 | 5               | 0                                 | 0                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   | 0   | 0.0%       |
| FIRE TOTALS                | 1,219           | 11                                | 15                                | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 26  | 2.1%       |
| RESCUE TOTALS              | 1,791           | 19                                | 28                                | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 67  | 3.7%       |
| 118 (1) (4) (5) TOTAL      | 3,010           | 30                                | 43                                | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 0                                 | 93  | 3.1%       |

AVERAGE RESPONSE TIMES  
MONTHLY REPORT FOR 2018

Average response time reflects a delayed response but not a no response. Response time is calculated when tones have been activated until the apparatus responds from their agency.

| FIRE & RESCUE COMPANIES                      | TOTAL CALLS  | Average Response Time (Ave. Resp. Time) |             |             |             |             |             |             |             |             |             |             |             | YEARLY AVG. |             |             |             |
|--|--------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|  |              | January                                 | February    | March       | April       | May         | June        | July        | August      | September   | October     | November    | December    |             |             |             |             |
| Stamton - SS1                                | 15           | 1:32                                    | 1:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:16        |
| Stamton - SS2                                | 8            | 1:17                                    | 2:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:39        |
| L. Waynesboro                                | 26           | 1:47                                    | 2:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:74        |
| 2 - Deerfield                                | 7            | 1:57                                    | 3:10        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:14        |
| 3 - Middlebrook                              | 31           | 4:13                                    | 3:23        |             |             |             |             |             |             |             |             |             |             |             |             |             | 3:68        |
| 4 - Churchville                              | 42           | 3:56                                    | 2:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:78        |
| 5 - Weyers Cave                              | 106          | 2:17                                    | 1:54        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:96        |
| 6 - Verona                                   | 123          | 2:24                                    | 2:13        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:19        |
| 7 - Stuarts Draft                            | 70           | 1:19                                    | 2:11        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:75        |
| 8 - Craigsville                              | 51           | 4:02                                    | 3:34        |             |             |             |             |             |             |             |             |             |             |             |             |             | 3:68        |
| 9 - Dooms                                    | 87           | 2:12                                    | 1:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:56        |
| 10 - Augusta County                          | 174          | 1:24                                    | 1:29        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:27        |
| 11 - Preston L. Yancey                       | 144          | 1:11                                    | 2:19        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:86        |
| 12 - Raphine                                 | 26           | 6:13                                    | 6:45        |             |             |             |             |             |             |             |             |             |             |             |             |             | 6:19        |
| 14 - Swoope                                  | 55           | 4:01                                    | 4:01        |             |             |             |             |             |             |             |             |             |             |             |             |             | 4:01        |
| 15 - Bridgewater                             | 13           | 1:11                                    | 3:18        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:20        |
| 17 - Clover Hill                             | 1            | 0:00                                    | 0:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:00        |
| 18 - New Hope                                | 44           | 3:32                                    | 2:52        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:92        |
| 19 - Wilson                                  | 33           | 2:11                                    | 5:20        |             |             |             |             |             |             |             |             |             |             |             |             |             | 3:77        |
| 20 - Gratiot                                 | 29           | 1:10                                    | 2:03        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:57        |
| 21 - Mt. Solon                               | 12           | 2:28                                    | 7:12        |             |             |             |             |             |             |             |             |             |             |             |             |             | 4:70        |
| 23 - Riverheads                              | 79           | 3:51                                    | 3:29        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:40        |
| 24 - Walkers Creek                           | 7            | 0:17                                    | 1:06        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:67        |
| 25 - Walkers Creek                           | 7            | 0:17                                    | 1:06        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:67        |
| SVRA   | 5            | 0:03                                    | 0:14        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:09        |
| Goshen                                       | 4            | 2:33                                    | 11:00       |             |             |             |             |             |             |             |             |             |             |             |             |             | 6:67        |
| South River                                  | 4            | 9:67                                    | 10:00       |             |             |             |             |             |             |             |             |             |             |             |             |             | 9:84        |
| Wintergreen                                  | 3            | 3:00                                    | 2:50        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:75        |
| R1 - W. Farm First Aid                       | 128          | 2:51                                    | 2:56        |             |             |             |             |             |             |             |             |             |             |             |             |             | 2:54        |
| R2 - Deerfield R.S.                          | 19           | 2:01                                    | 1:16        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:60        |
| R4 - Churchville R.S.                        | 98           | 2:10                                    | 1:57        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:84        |
| R5 - Staunton/Augusta R.S.                   | 298          | 1:46                                    | 1:47        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:47        |
| R6 - Stuarts Draft R.S.                      | 287          | 1:39                                    | 1:39        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:19        |
| *Special Units - Reserve Amb                 | 0            | 0:00                                    | 0:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:00        |
| R11 - Preston L. Yancey                      | 326          | 1:15                                    | 1:19        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:27        |
| R15 - Bridgewater R.S.                       | 18           | 1:40                                    | 1:53        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:47        |
| R16 - Craigs/Augusta Spr.                    | 103          | 1:12                                    | 1:50        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:41        |
| R18 - New Hope                               | 117          | 1:49                                    | 2:06        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:78        |
| R20 - Gratiot R.S.                           | 61           | 1:42                                    | 2:01        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:71        |
| R21 - Mt. Solon R.S.                         | 42           | 1:57                                    | 1:48        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:51        |
| R25 - Riverheads                             | 138          | 1:29                                    | 1:35        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:32        |
| R26 - Weyers Cave                            | 149          | 1:19                                    | 1:29        |             |             |             |             |             |             |             |             |             |             |             |             |             | 1:14        |
| Augusta Health Transport                     | 0            | 0:00                                    | 0:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 0:00        |
| Wintergreen                                  | 5            | 5:00                                    | 6:00        |             |             |             |             |             |             |             |             |             |             |             |             |             | 5:30        |
| <b>FIRE CALL TOTALS &amp; MONTHLY AVG.</b>   | <b>1,219</b> | <b>2:61</b>                             | <b>3:25</b> | <b>1:66</b> | <b>1:61</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>2:94</b> |
| <b>RESCUE CALL TOTALS &amp; MONTHLY AVG.</b> | <b>1,791</b> | <b>1:61</b>                             | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:66</b> | <b>1:61</b> |

\*The information is provided by Emergency Communications Center





CAREER CALLS ANSWERED  
2018 FIGURES

| CAREER                              | NAME                          | MONTHS |     |     |     |     |     |     |     |     |     |     |     | CAREER<br>YEARLY TOTAL | CAREER<br>YEARLY TOTAL | TOTAL<br>CAREER 5 |   |       |
|-------------------------------------|-------------------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|------------------------|-------------------|---|-------|
|                                     |                               | JAN    | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |                        |                        |                   |   |       |
| CD-11                               | Preston L. Yancy Fire         | 69     | 71  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   |       |
| CD-11                               | Carol Wernshorn               | 2      | 1   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 144   |
| R-11                                | Preston L. Yancy Reserve      | 184    | 184 |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 178   |
| R-11                                | City of Wernshorn             | 1      | 1   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 68.1% |
| CD-18                               | New Hope Fire                 | 23     | 4   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 44    |
| CD-18                               | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-18                               | City of Wernshorn             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-18                               | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-18                                | New Hope Reserve              | 51     | 17  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 81    |
| R-18                                | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-18                                | City of Wernshorn             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-18                                | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-6                                 | Staunton Fire Reserve         | 51     | 51  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 101   |
| R-6                                 | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 100%  |
| R-6                                 | City of Wernshorn             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-6                                 | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-16                                | Charterville Advanced Systems | 49     | 49  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 101   |
| R-16                                | Rockbridge County             | 7      | 7   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 16.1% |
| CD-9                                | Duane Fire                    | 13     | 21  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 48    |
| CD-9                                | City of Wernshorn             | 2      | 1   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 6.5%  |
| CD-6                                | Vernon Fire                   | 19     | 21  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 40    |
| CD-6                                | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-1                                | Middlebrook                   | 6      | 7   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 13    |
| CD-1                                | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0     |
| CD-1                                | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 31.6% |
| CD-1                                | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 6.7%  |
| CD-1                                | Herfield Fire                 | 5      | 1   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 7     |
| CD-1                                | Highland County               |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-2                                | Extended Run Area             | 3      |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 3.00% |
| R-7                                 | Herfield Reserve              | 11     | 8   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 19    |
| R-7                                 | Highland County               |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| R-7                                 | Extended Run Area             | 2      |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 10.1% |
| CD-8 R-4                            | Charterville Fire             | 16     | 5   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 21    |
| CD-8 R-4                            | Highland County               |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-8 R-4                            | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-8 R-4                            | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-8 R-4                            | Charterville Reserve          | 14     | 11  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 25    |
| CD-8 R-4                            | Highland County               |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-8 R-4                            | Extended Run Area             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 0.00% |
| CD-8 R-4                            | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 11%   |
| CD-8 R-21                           | Mount Solon Fire              | 5      | 4   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 9     |
| CD-8 R-21                           | Rockbridge County             | 1      | 1   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 2.2%  |
| CD-8 R-21                           | Mount Solon Reserve           | 11     | 9   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 24.1% |
| CD-8 R-21                           | Rockbridge County             |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 9.0%  |
| R-21                                | Charterville Reserve          | 21     | 64  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 106   |
| R-21                                | Rockbridge County             | 4      |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 1.70% |
| R-21                                | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 1.4%  |
| R-26                                | Weyers Cave Reserve           | 75     | 7   |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 82    |
| R-26                                | Rockbridge County             | 16     | 15  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 31.0% |
| R-26                                | City of Staunton              |        |     |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 8.00% |
| CD-10                               | Amplora County                | 41     | 48  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 89    |
| CD-10                               | City of Staunton              | 11     | 75  |     |     |     |     |     |     |     |     |     |     |                        |                        |                   |   | 86    |
| TOTAL MONTHLY CAREER CALLS ANSWERED |                               | 765    | 666 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0                      | 0                      | 0                 | 0 | 1,973 |

**FIGURES REPRESENT CALLS DURING HOURS CAREER ARE ASSIGNED TO STATIONS  
2018 FIGURES**

| CARLER | NAME   | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC | YEARLY TOTAL |
|--------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|--------------|
| CO 11  | Prison I. Artery Fire                                  | 71  | 71  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 142          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 3   | 1   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Career Only  | 68  | 69  |     |     |     |     |     |     |      |     |     |     | 137          |
|        | Career and Volunteer                                   | 3   | 7   |     |     |     |     |     |     |      |     |     |     | 10           |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| R15 11 | Rescue 11  | 166 | 162 | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 328          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 2   | 1   |     |     |     |     |     |     |      |     |     |     | 3            |
|        | Career Only  | 164 | 161 |     |     |     |     |     |     |      |     |     |     | 325          |
|        | Career and Volunteer                                   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 18  | New Hope Fire  | 11  | 13  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 24           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 3   | 3   |     |     |     |     |     |     |      |     |     |     | 6            |
|        | Career Only  | 20  | 11  |     |     |     |     |     |     |      |     |     |     | 31           |
|        | Career and Volunteer                                   | 2   | 2   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Volunteer Only   | 4   | 3   |     |     |     |     |     |     |      |     |     |     | 7            |
| R15 18 | New Hope Rescue  | 7   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 11           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 7   | 3   |     |     |     |     |     |     |      |     |     |     | 10           |
|        | Career Only  | 51  | 19  |     |     |     |     |     |     |      |     |     |     | 70           |
|        | Career and Volunteer                                   | 2   | 2   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Volunteer Only   | 7   | 1   |     |     |     |     |     |     |      |     |     |     | 8            |
| R15 6  | Stuart's Draft Rescue                                  | 69  | 62  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 131          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 4   | 3   |     |     |     |     |     |     |      |     |     |     | 7            |
|        | Career Only  | 57  | 49  |     |     |     |     |     |     |      |     |     |     | 106          |
|        | Career and Volunteer                                   | 4   | 6   |     |     |     |     |     |     |      |     |     |     | 10           |
|        | Volunteer Only   | 0   | 4   |     |     |     |     |     |     |      |     |     |     | 4            |
| R15 10 | Craneville Augusta Springs                             | 92  | 91  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 183          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 1   | 2   |     |     |     |     |     |     |      |     |     |     | 3            |
|        | Career Only  | 47  | 46  |     |     |     |     |     |     |      |     |     |     | 93           |
|        | Career and Volunteer                                   | 4   | 3   |     |     |     |     |     |     |      |     |     |     | 7            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 9   | Thoms Fire   | 25  | 21  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 46           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career Only  | 20  | 19  |     |     |     |     |     |     |      |     |     |     | 39           |
|        | Career and Volunteer                                   | 5   | 11  |     |     |     |     |     |     |      |     |     |     | 16           |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 6   | Vernon Fire  | 41  | 23  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 64           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 1   | 0   |     |     |     |     |     |     |      |     |     |     | 1            |
|        | Career Only  | 16  | 9   |     |     |     |     |     |     |      |     |     |     | 25           |
|        | Career and Volunteer                                   | 21  | 13  |     |     |     |     |     |     |      |     |     |     | 34           |
|        | Volunteer Only   | 1   | 1   |     |     |     |     |     |     |      |     |     |     | 2            |
| CO 1   | Middlebrook Fire                                       | 9   | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 16           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career Only  | 7   | 7   |     |     |     |     |     |     |      |     |     |     | 14           |
|        | Career and Volunteer                                   | 0   | 4   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 2   | Deerfield Fire Department                              | 3   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 7            |
|        | Call Turned Over/Cancelled Prior to Response/On Rescue | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career Only  | 3   | 4   |     |     |     |     |     |     |      |     |     |     | 7            |
|        | Career and Volunteer                                   | 2   | 1   |     |     |     |     |     |     |      |     |     |     | 3            |
|        | Volunteer Only   | 0   | 3   |     |     |     |     |     |     |      |     |     |     | 3            |
| R15 2  | Deerfield Rescue Squad                                 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0            |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career Only  | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career and Volunteer                                   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 4   | Churchville Fire Department                            | 13  | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 20           |
|        | Call Turned Over/Cancelled Prior to Response/On Rescue | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career Only  | 0   | 7   |     |     |     |     |     |     |      |     |     |     | 7            |
|        | Career and Volunteer                                   | 10  | 4   |     |     |     |     |     |     |      |     |     |     | 14           |
|        | Volunteer Only   | 3   | 2   |     |     |     |     |     |     |      |     |     |     | 5            |
| R15 4  | Churchville Rescue Squad                               | 24  | 11  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 35           |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 4   | 0   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Career Only  | 11  | 8   |     |     |     |     |     |     |      |     |     |     | 19           |
|        | Career and Volunteer                                   | 6   | 5   |     |     |     |     |     |     |      |     |     |     | 11           |
|        | Volunteer Only   | 7   | 0   |     |     |     |     |     |     |      |     |     |     | 7            |
| CO 10  | Augusta County   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0            |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 0   | 4   |     |     |     |     |     |     |      |     |     |     | 4            |
|        | Career Only  | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Career and Volunteer                                   | 3   | 3   |     |     |     |     |     |     |      |     |     |     | 6            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| CO 21  | Mount Solon Fire Department                            | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 7            |
|        | Call Turned Over/Cancelled Prior to Response/On Rescue | 0   | 1   |     |     |     |     |     |     |      |     |     |     | 1            |
|        | Career Only  | 7   | 7   |     |     |     |     |     |     |      |     |     |     | 14           |
|        | Career and Volunteer                                   | 4   | 3   |     |     |     |     |     |     |      |     |     |     | 7            |
|        | Volunteer Only   | 0   | 2   |     |     |     |     |     |     |      |     |     |     | 2            |
| R15 21 | Mount Solon Rescue Squad                               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0            |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 1   | 0   |     |     |     |     |     |     |      |     |     |     | 1            |
|        | Career Only  | 5   | 6   |     |     |     |     |     |     |      |     |     |     | 11           |
|        | Career and Volunteer                                   | 6   | 3   |     |     |     |     |     |     |      |     |     |     | 9            |
|        | Volunteer Only   | 0   | 1   |     |     |     |     |     |     |      |     |     |     | 1            |
| R15 23 | Riverheads Rescue                                      | 72  | 66  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 138          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 3   | 2   |     |     |     |     |     |     |      |     |     |     | 5            |
|        | Career Only  | 77  | 64  |     |     |     |     |     |     |      |     |     |     | 141          |
|        | Career and Volunteer                                   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |
| R15 26 | Weyers Cave Rescue                                     | 62  | 77  | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 139          |
|        | Call Turned Over/Cancelled Prior to Response/Standby   | 7   | 5   |     |     |     |     |     |     |      |     |     |     | 12           |
|        | Career Only  | 71  | 72  |     |     |     |     |     |     |      |     |     |     | 143          |
|        | Career and Volunteer                                   | 2   | 0   |     |     |     |     |     |     |      |     |     |     | 2            |
|        | Volunteer Only   | 0   | 0   |     |     |     |     |     |     |      |     |     |     | 0            |

YTD TOTAL OF CALLS DURING HOURS CAREER ARE ASSIGNED TO STATIONS

**1584**







**Augusta County Fire/Rescue**  
**Dispatched Agency Not On Any Other Call**  
**Per SOG: Response Check - Time Limit**

| February 2018        | Fire/Rescue          | Agency Responding  | Date      | Location              | Time of Call | Time On Scene | Time from Call to Respond | Time from Call to On Scene | TOTAL TIME from Time of Call to On Scene |
|----------------------|----------------------|--|-----------|-----------------------|--------------|---------------|---------------------------|----------------------------|--|
| Agency Dispatched    | Churchville Rescue   | Staubon-Augusta Rescue   | 2/17/2018 | Hanley Mountain Hwy   | 7:40         | 7:41          | 7:51                      | 0:00                       | 0:10                                     |
| Churchville Rescue   | Churchville Rescue   | Craigsville-Augusta Springs Rescue and Dierfield Rescue                                  | 2/21/2018 | Christian Ln          | 18:43        | 18:45         | 19:18                     | 0:01                       | 0:35                                     |
| Verona Fire          | Verona Fire          | Staubon-Augusta Rescue   | 2/1/2018  | Quicks Mill Rd        | 23:35        | 23:37         | 23:45                     | 0:01                       | 0:10                                     |
| Verona Fire          | Verona Fire          | Mount Solon Fire and Staubon-Augusta Rescue  | 2/24/2018 | Spring Hill Rd        | 14:11        | 14:14         | 14:43                     | 0:02                       | 0:31                                     |
| Stuarts Draft Rescue | Stuarts Draft Rescue | Waynesboro First Aid   | 2/5/2018  | Shirley Ln            | 1:25         | 1:28          | 1:43                      | 0:03                       | 0:17                                     |
| Stuarts Draft Rescue | Stuarts Draft Rescue | Waynesboro First Aid   | 2/5/2018  | Lymhurst Rd           | 3:08         | 3:11          | 3:23                      | 0:05                       | 0:16                                     |
| Stuarts Draft Rescue | Stuarts Draft Rescue | Preston L. Yancy Fire  | 2/24/2018 | Gemstone Dr           | 12:40        | 12:40         | 12:48                     | 0:00                       | 0:08                                     |
| Stuarts Draft Rescue | Stuarts Draft Rescue | Riverheads Rescue  | 2/24/2018 | Sleep Hill Ln         | 12:48        | 12:48         | 12:58                     | 0:01                       | 0:11                                     |
| Craigsville Fire     | Craigsville Fire     | Craigsville-Augusta Springs Rescue   | 2/3/2018  | Estelene Valley Rd    | 17:07        | 17:08         | 17:19                     | 0:01                       | 0:12                                     |
| Craigsville Fire     | Craigsville Fire     | Craigsville-Augusta Springs Rescue   | 2/10/2018 | Howard St             | 0:57         | 0:59          | 1:04                      | 0:01                       | 0:07                                     |
| Dooms Fire           | Dooms Fire           | Preston L. Yancy Fire, New Hope Rescue, and EMS Supervisor                               | 2/1/2018  | Mountain Top Ln       | 1:24         | 1:25          | 1:42                      | 0:01                       | 0:17                                     |
| New Hope Fire        | New Hope Fire        | New Hope Rescue, Preston L. Yancy Rescue, and Verona Fire                                | 2/5/2018  | Swisher Rd            | 14:58        | 14:59         | 15:05                     | 0:00                       | 0:06                                     |
| New Hope Fire        | New Hope Fire        | Dooms Fire   | 2/6/2018  | Roward Hill School Rd | 13:35        | 13:36         | 13:47                     | 0:01                       | 0:11                                     |
| New Hope Fire        | New Hope Fire        | New Hope Rescue and Preston L. Yancy Fire  | 2/13/2018 | Hemlocke Rd           | 11:49        | 11:49         | 11:56                     | 0:00                       | 0:07                                     |
| New Hope Fire        | New Hope Fire        | New Hope Rescue  | 2/18/2018 | Battlefield Rd        | 17:00        | 17:01         | 17:04                     | 0:01                       | 0:04                                     |
| New Hope Fire        | New Hope Fire        | New Hope Rescue and Preston L. Yancy Rescue  | 2/23/2018 | Swisher Rd            | 17:44        | 17:45         | 17:53                     | 0:01                       | 0:09                                     |
| New Hope Rescue      | New Hope Rescue      | New Hope Fire, Grohows Fire, Preston L. Yancy Fire, Dooms Fire, and Waynesboro First Aid | 2/7/2018  | Park Ln               | 5:29         | 5:33          | 5:43                      | 0:03                       | 0:14                                     |
| New Hope Rescue      | New Hope Rescue      | New Hope Fire, Preston L. Yancy Fire, Dooms Fire, and Preston L. Yancy Rescue            | 2/19/2018 | Cockeytown Rd         | 16:32        | 16:33         | 16:42                     | 0:01                       | 0:09                                     |
| Wilson Fire          | Wilson Fire          | Stuarts Draft Fire   | 2/5/2018  | Shadow Ln             | 11:27        | 11:37         | 11:47                     | 0:09                       | 0:19                                     |
| Wilson Fire          | Wilson Fire          | Stuarts Draft Fire, Riverheads Fire, Stuarts Draft Rescue, and Chief                     | 2/22/2018 | Gloucester Rd         | 1:56         | 1:59          | 2:04                      | 0:03                       | 0:08                                     |
| Mount Solon Fire     | Mount Solon Fire     | Mount Solon Rescue and Bridgewater Fire  | 2/16/2018 | Natural Chimneys Rd   | 6:45         | 6:47          | 6:50                      | 0:02                       | 0:05                                     |
| Riverheads Fire      | Riverheads Fire      | Stuarts Draft Rescue   | 2/8/2018  | Hodge St              | 10:15        | 10:17         | 10:22                     | 0:01                       | 0:08                                     |
| DAY 0500-1800 M-F    |                      |  | 41%       |                       |              |               |                           |                            |  |
| NIGHT 1800-0500 M-F  |                      |  | 27%       |                       |              |               |                           |                            |  |
| WEEKEND CALLS        |                      |  | 32%       |                       |              |               |                           |                            |  |
|                      |                      |  | 100%      |                       |              |               |                           |                            |  |

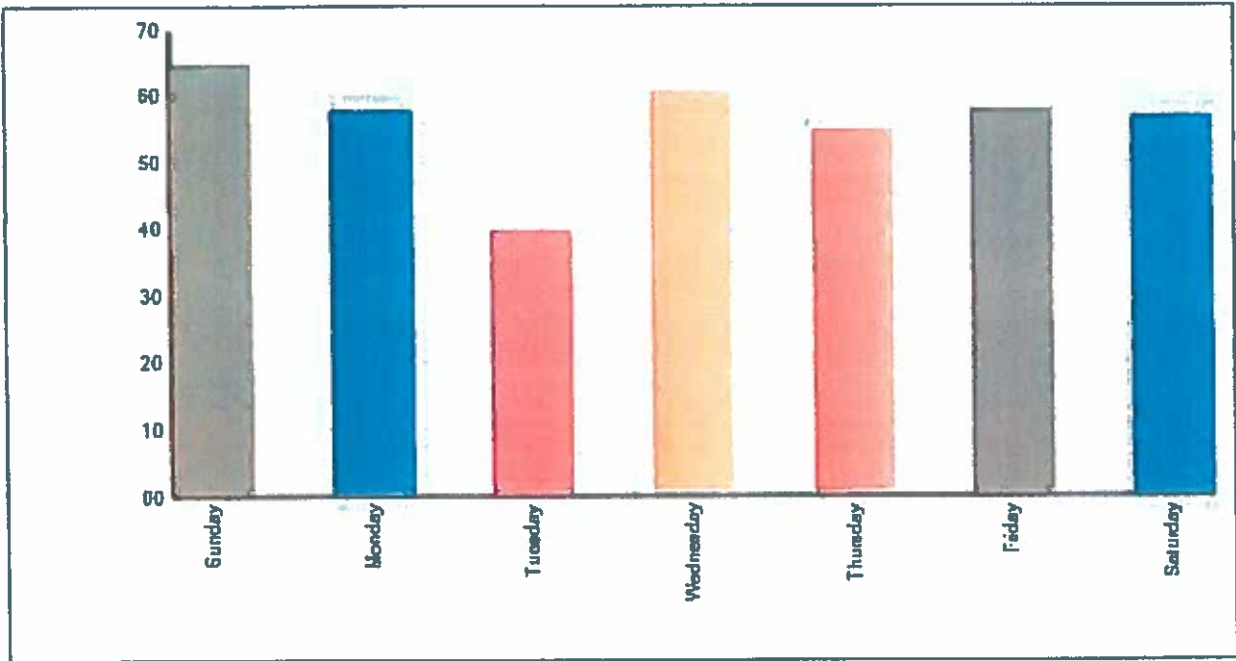
WEEKEND CALLS HAVE BEEN HIGHLIGHTED ABOVE.

**Augusta County Fire/Rescue  
Responded - No Medic  
Per SOG: Response Check - Time Limit**

| February 2018                              | Agency Responding | Call Type | Date    | Location | Time of Call | Time Resp | On Scene | ELAPSED TIME from Call to Response | TOTAL ELAPSED TIME from Time of Call to On Scene |
|--|-------------------|-----------|---------|----------|--------------|-----------|----------|------------------------------------|--|
| Fire/Rescue                                |                   |           |         |          |              |           |          |                                    |  |
| Agency Dispatched                          |                   |           |         |          |              |           |          |                                    |  |
| DAY 0600-1800 M-F                          |                   |           | #DIV/0! |          |              |           |          |                                    |  |
| NIGHT 1800-0600 M-F                        |                   |           | #DIV/0! |          |              |           |          |                                    |  |
| WEEKEND CALLS                              |                   |           | #DIV/0! |          |              |           |          |                                    |  |
| WEEKEND CALLS HAVE BEEN HIGHLIGHTED ABOVE. |                   |           |         |          |              |           |          |                                    |  |

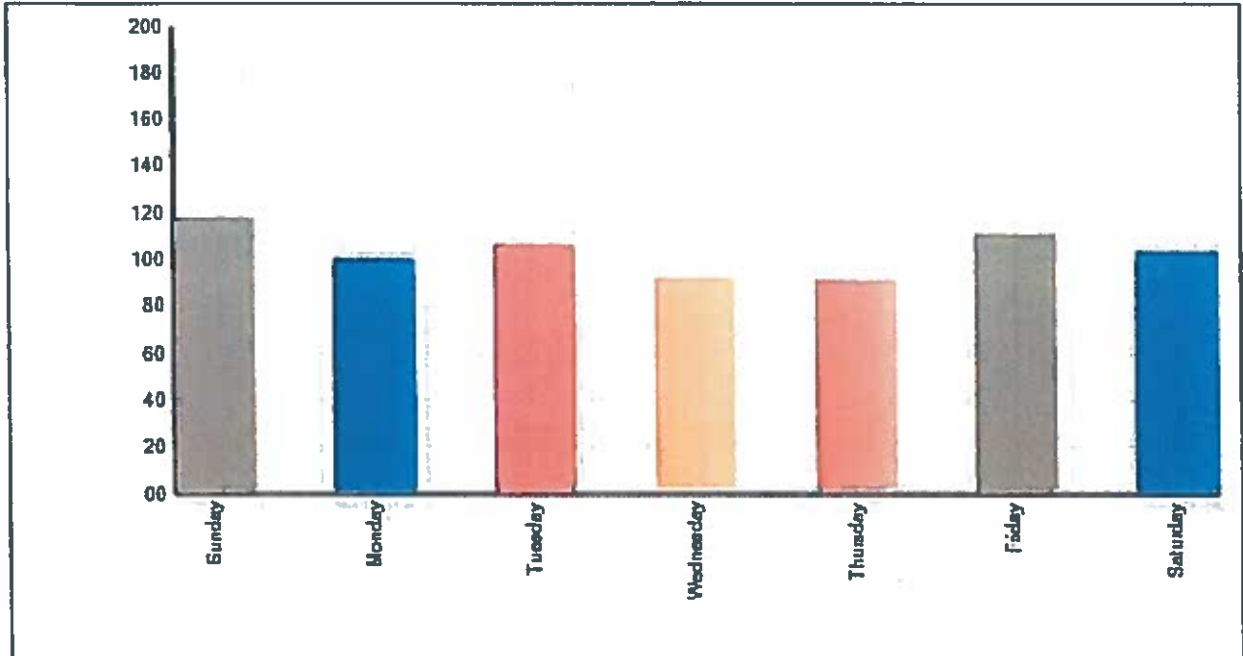
## Communications

**Calls For Service by Day of Week**  
Agency: AFD Date: 2/1/2018 - 2/28/2018



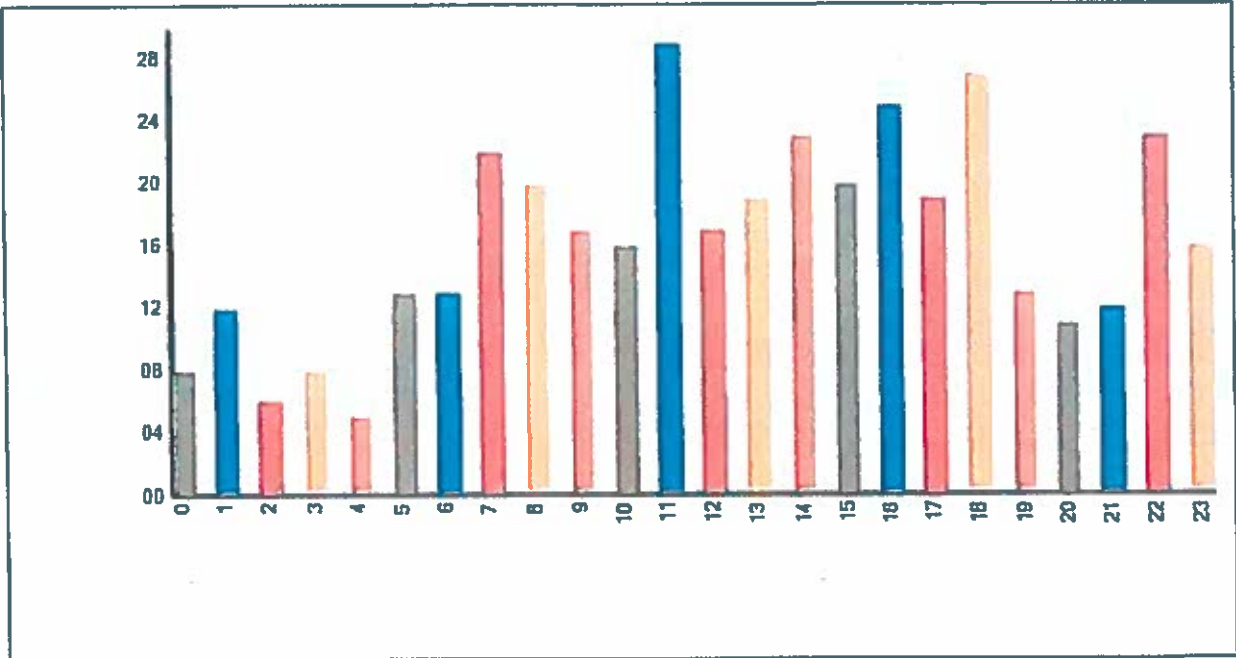
## Communications

**Calls For Service by Day of Week**  
Agency: ARES Date: 2/1/2018 - 2/28/2018



# Communications

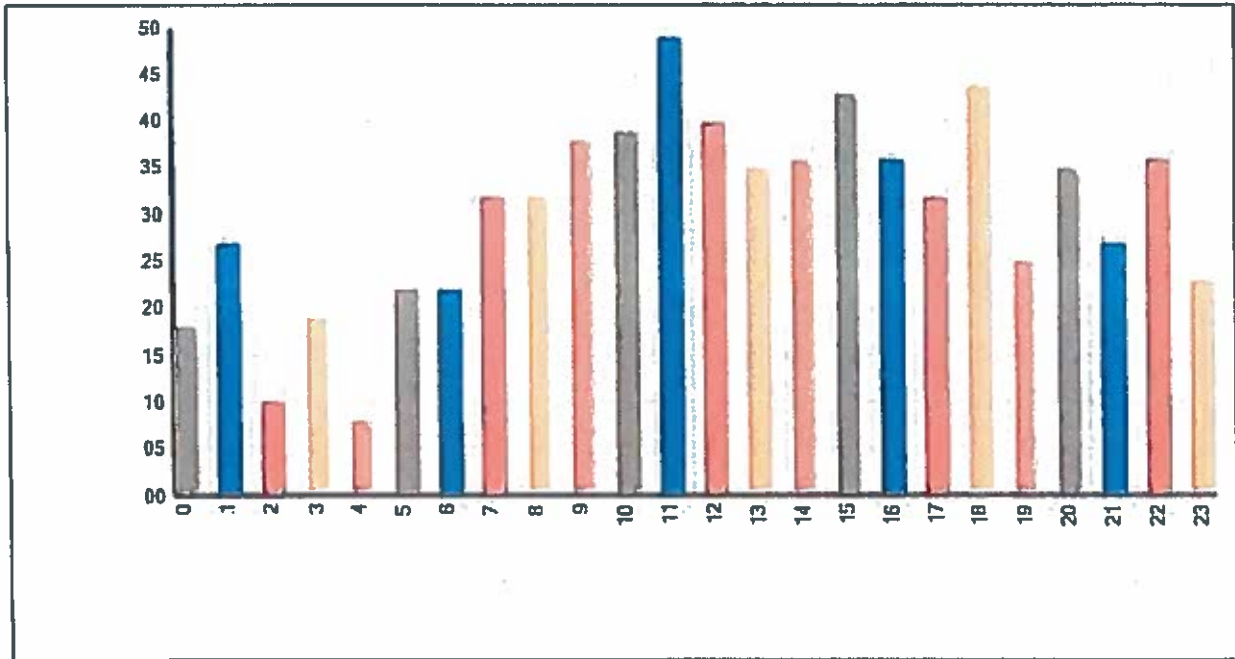
**Calls For Service by Hour of Day**  
Agency: AFD Date: 2/1/2018 - 2/28/2018



## Communications

### Calls For Service by Hour of Day

Agency: ARES Date: 2/1/2018 - 2/28/2018







COUNTY OF AUGUSTA  
Parks & Recreation Department  
P. O. Box 590  
Verona, Virginia 24482



## MEMO

DATE: Wednesday, February 21, 2018  
TO: Parks & Rec Commission members  
RE: Recreation Matching Grant Request from Cassell Elementary PTO  
FROM: Andy Wells, Director

Enclosed you will find a copy of the Recreation Matching Grant Application that was recently submitted by the Parent Teacher Organization (PTO) of Cassell Elementary. The applicant is requesting funding to assist with Phase 1 of the development of a new Primary Playground at the school. This phase will include site preparation, install of drainage measures, play-area borders, and purchase and install of wood carpet, fencing, geodisc dome, net climber, and benches.

The group will be invited to have at least one representative attend your Commission meeting next month on Wednesday, March 21. They will be placed on the agenda to make a presentation to you on behalf of their application.

The application will be circulated among the usual County Staff for review and comments. I shall have those summarized for you and shared with you prior to the meeting. These are a part of our regular Administrative Review for every application. Included with that summary will be my comments upon review that you can consider in the process and may want to ask representatives of the group at the meeting or prior to.

There is no indication that the project has started.

I only offer the following as a reminder, not as direction or suggestion –  
The Commission can make a recommendation to the Board of Supervisors to fund the project as requested, with a different funding formula, with extra stipulations, etc. The Commission is also not required to make a recommendation and can choose to 'table' a requested action if they would like more time to consider or get answers.

If you have any questions prior to our meeting please do not hesitate to contact me. In the meantime feel free to contact your Board of Supervisor member to discuss this application with them.

*The Commission will review the application  
on Wed 3/20 or Th 3/22 (if weather delay).  
AW  
3-20-18*



COUNTY OF AUGUSTA  
Parks & Recreation Department  
P. O. Box 590  
Verona, Virginia 24482



### Augusta County Recreation Matching Grant Program Checklist

Please turn in one completed copy with your application and keep a copy for your records. Applications will not be reviewed by Augusta County Parks and Recreation Commission if this checklist is not completed in its entirety.

- Completed application
  - Matching Grant Application
  - Detailed budget worksheet
  - 5-Year Maintenance Plan
  - Checklist (this list)
  - Any other supporting documentation (such as a letter stating why project began prior to approval of grant, if applicable)
- Site plan (if required by county ordinance) - *one should already exist w/school system .... needs to show placement*
- Documentation of 501 (c) (3) Internal Revenue status
- Copy of the applicant's most current audit report N/A
- Copy of the applicant's most recent treasurer's report
- Names of the applicant's/organization's current Board of Directors with home addresses
- Copy of the applicant's by-laws
- Copy of School Board compliance and approval of project on school property (if applicable)
- N/A  Copy of signed property owner consent showing applicant is the approved designee of the property owner (if applicable)
- N/A  Copy of State Corporation Commission certificate of incorporation (if applicable)
- Contact made with your Recreation Commission Representative
  - Date contacted: Monday, September 25, 2017 6:00PM
  - Who: Mrs. Samantha Bosserman
  - By whom: Mrs. Zanny Bandy, Co-Chair Primary Playground Committee  
Mr. Wendell Coleman, Supervisor Wayne District



**COUNTY OF AUGUSTA**  
**Parks & Recreation Department**  
**P. O. Box 590**  
**Verona, Virginia 24482**



***Augusta County Recreation Matching Grant Program  
Application***

**Date:** January 26, 2018

**Name of Organization:** Hugh K. Cassell Parent Teacher Organization

**Address:** 1301 Rockfish Road  
Waynesboro, Virginia 22980

**Telephone:** 540-946-7635

**Chief Officer/Representative and Title:** Carrie E. Davis, President

**Project title:** Primary Playground

**Contact person for project:** Zanny Bandy

**Is the organization a non profit?** Yes  No

**\*If yes please provide a copy of your articles of incorporation.**

**Is this a new project or on-going?** New project

**What is the geographic area served?** Cassell Elementary School students, and the entire east side of Augusta County

**Parks and Recreation Commission Member:** Samantha Bosserman  
(for the magisterial district(s) service by the project)

**Board of Supervisors Representative:** Wendell Coleman and Gerald Carber  
(for the magisterial district(s) service by the project)

**Projected starting date:** March 1, 2018

**Projected ending date:** July 1, 2018

Will there be a fee charged for use of the project result? No

Who will be responsible for maintenance and utility expenses? Cassell PTO and Augusta County Public Schools

Provide a detailed description of the proposed project including how this project will benefit the community, number of projected users, where project will be developed, and methods for properly maintaining the project.

In the summer of 2017, our new large, state-of-the-art school was completed and the old Hugh K. Cassell pod school was razed. With the opening of the new school came a significant increase in population at Cassell (from 500-700 students) due to redistricting. We propose to build a new primary playground at Hugh K. Cassell Elementary School. This project will provide an additional play area for our students and the entire east side of Augusta County and beyond. On site we have two new competition ball fields. This Primary Playground will adjoin these fields and be heavily utilized by Cassell Athletics and community members at large.

The entire cost of the primary playground is proposed to be \$150,000. As it is critical to complete the initial phase of the project, we are dividing this project into two phases. Phase 1 will cost \$50,000 and will include the cost of the site preparation, drainage, borders, certified wood carpet, fencing, geodesic dome, net climber, and benches. Our PTO and Primary Playground Committee have raised \$20,000 locally towards this effort. We are requesting an Augusta County Recreation Matching Grant of ~~\$30,000~~ <sup>\$30,000</sup> to facilitate the completion of this initial phase.

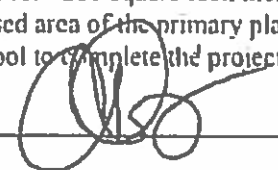
Phase 2 of the project will approximate \$100,000. During Phase 2, we will add the large main structure of the playground, including a two-tiered structure and a boat designed for children with limited mobility to be included with their peers.

Describe the organization's method for conducting financial business and record keeping. The purpose of the Hugh K. Cassell Elementary PTO is to develop, implement, and/or support programs that enhance the quality of education for all students at our school. Our organization maintains a board of six, including the following officers: President, Vice-President (Fundraising), Vice-President (Volunteer Coordinator), Treasurer, Secretary, and Faculty Representative. We hold monthly meetings with school principal Mindy Garber and other parent attendees where we discuss fundraisers and other revenue-generating activities as well as various support initiatives and allocation of funds to each initiative. Our financial records are maintained by our Treasurer and detailed reports of monthly income and expenses are reviewed and discussed at the monthly meeting as well as project fund allocation specific analyses and budget re-audits.

The organization may provide any additional information that supports this project.

Augusta County Public Schools redistricted in summer of 2017. At this time the old Cassell pod school was razed and a new larger modern building was constructed. Enrollment at Hugh K. Cassell Elementary increased to nearly 700 students with the capacity for over 800. With grade levels being as large as 120 students each, it is necessary for a third play area to accommodate this many children for recess. As part of the contract between Augusta County Public Schools and MB Construction, two pieces of original playground equipment, eight swings, and a climbing wall, were to be reinstalled in the new primary playground. MB Construction was to complete the site preparation for 3200 square feet, including drainage, borders and certified wood carpet. The proposed area of the primary playground is 7000 square feet. It is the responsibility of the school to complete the project.

Signature: \_\_\_\_\_



Title: President, Hugh K. Cassell Parent Teacher Organization

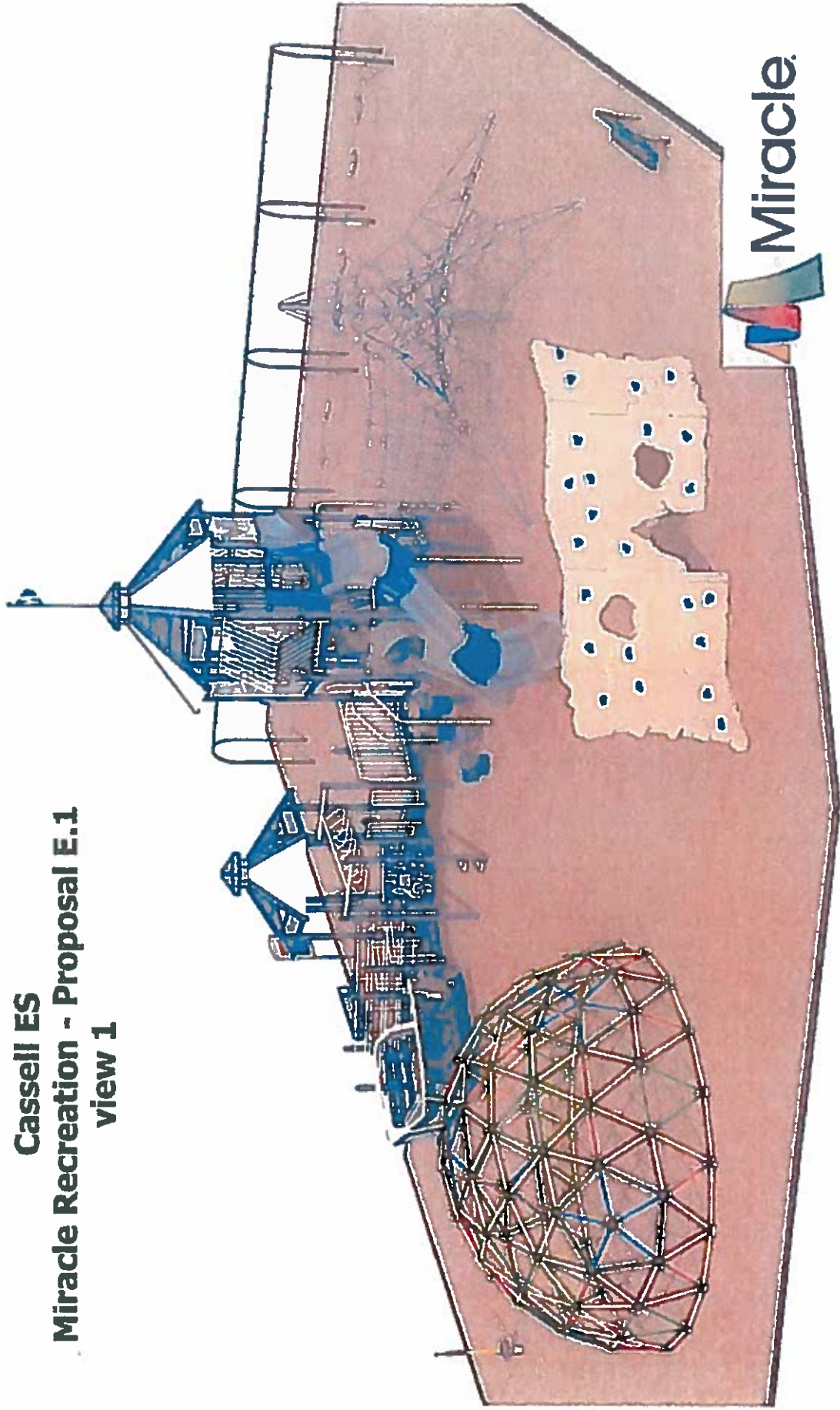
Date: 01/29/18

For Office Use Only

Project Name: Cassell Elem - Primary Playground

|   |
|---|
| Received By: <i>CL Wells</i>  |
| Received Date: <i>2-1-18</i>  |
| Initial Administrative Review: <i>INCOMPLETE - see checklist</i>      |
| Action: <i>advised applicant 2/6 of incomplection - complete 2/21</i> |
| Scheduled for Committee Review: <i>2/21 meeting</i>                   |
| Action:   |
| Notes:  |

**Cassell ES  
Miracle Recreation - Proposal E.1  
view 1**





**COUNTY OF AUGUSTA, VA.**

**BOARD OF SUPERVISORS**

MARSHALL W. PATTIE  
North River

GERALD W. GARBER  
Middle River

PAM CARTER  
Pastures

TERRY L. KELLEY, JR.  
Beverly Manor

WENDELL L. COLEMAN  
Wayne

MICHAEL L. SHULL  
Riverheads

CAROLYN S. BRAGG  
South River



**TIMOTHY K. FITZGERALD – COUNTY ADMINISTRATOR**

**AUGUSTA COUNTY GOVERNMENT CENTER**

P.O. BOX 590, VERONA, VA 24482-0590

(540) 245-5610 FAX (540) 245-5621

coadmin@co.augusta.va.us

**MEMORANDUM**

TO: BOARD OF SUPERVISORS

FROM: JENNIFER WHETZEL, DEPUTY COUNTY ADMINISTRATOR

DATE: MARCH 20, 2018

RE: WATERSHED PROJECT CLOSEOUTS

The Board discussed the close out of the South River and Lower North River Watershed projects at the January 2018 staff briefing. The project sponsors of each Watershed Project area have agreed to close out the projects.

NRCS has prepared resolutions for each project sponsor to consider. If approved, draft agreements are available for execution. Headwaters has been tasked with obtaining signatures after all sponsors have considered.

The resolutions are before the Board for consideration.

## Jennifer Whetzel

---

**From:** Biddix, Wade - NRCS, Richmond, VA <Wade.Biddix@va.usda.gov>  
**Sent:** Wednesday, March 14, 2018 11:49 AM  
**To:** Jennifer Whetzel; John Kaylor; hampmg@ci.waynesboro.va.us  
**Cc:** Kriz, David - NRCS, Richmond, VA; Faulkner, David - NRCS, Richmond, VA; McRae, Trafford R.; Biddix, Wade - NRCS, Richmond, VA; Cathy Perry  
**Subject:** South River Watershed Plan Supplement No. 3 - Closeout  
**Attachments:** South River Watershed Plan Supplement - Closeout.docx

To Jennifer, John, Michael,

Good morning to all 3 project sponsors of the South River Watershed Project in Augusta County and the City of Waynesboro. Each sponsor and NRCS has agreed to close out this project to new construction.

Attached is the final closeout supplement which needs to be signed by all 3 sponsors and the NRCS State Conservationist. This will take a little coordination between the Augusta County Board of Supervisors and the Headwaters SWCD. The City of Waynesboro will sign on the same page with the NRCS.

David Faulkner, NRCS Natural Resource Economist, will develop the final table 1 that contains all the final costs for the project.

The closeout supplement needs to be on the official board meeting of each sponsor and action taken to close the project out. Here are the next several meetings of each Sponsor:

- Augusta County Board of Supervisors – Meets the 2<sup>nd</sup> and 4<sup>th</sup> Wednesday of each month – March 14 and March 28
- Headwaters SWCD – Meet 3<sup>rd</sup> Tuesday of each month – March 20
- City of Waynesboro – Meets March 26<sup>th</sup>

### Actions Needed:

- 1) Print out 5 copies of this close-out supplement (one original copy for each Sponsor, one for NRCS in Richmond, and one for NRCS in Washington DC).
- 2) Put the South River Watershed Close-out as an agenda item on your board/council meeting and get the Board/Council to authorize the closeout.
- 3) Sign and date all 5 copies of the supplement in blue ink if possible. Record the meeting date that the project closeout was approved. Then get your Clerk, Secretary, Notary, etc. to sign and date all 5 copies.
- 4) Coordinate the signing between 1) Rockingham County and the Shenandoah Valley SWCD and 2) Augusta County and the Headwaters SWCD.
  - a. Whoever signs the supplement first is responsible for getting the documents over to the other sponsor for their signatures.
- 5) Once all the documents are signed, please return all the originals to me at the address below.
- 6) I will get the NRCS State Conservationist to sign them and return file copies to each sponsor along with the Final Table 1 which contains all the costs.
- 7) I will work with NHQ to officially close out the project.

Let me know if you have any questions. Thanks for your assistance with this project closeout.

*R. Wade Biddix*  
*Watershed Program Specialist*  
*ACES Employee*  
*1606 Santa Rosa Road, Suite 209*

**Richmond, Virginia 23229-5014**

**Tel: 804-287-1675**

**Cell: 804-332-3512**

**email: [wade.biddix@va.usda.gov](mailto:wade.biddix@va.usda.gov)**

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## South River Watershed

Augusta County, Virginia

Supplement No. 3 (Closeout)

March 2018

### Need for the Supplement

The Sponsors of the South River Watershed Project: Augusta County Board of Supervisors, the City of Waynesboro, and the Headwaters Soil and Water Conservation District agree with the USDA Natural Resources Conservation Service (NRCS) to close out the project.

The Work Plan was approved for installation in January, 1955 under the authority of the Flood Control Act of 1944, Public Law 78-534. The plan was supplemented in 1961 to include multi-purpose structure No. 10A – Mills Creek for flood prevention and municipal and industrial water supply for Augusta County. In 1976, the plan was supplemented to add the Headwaters Soil and Water Conservation District and the City of Waynesboro, Virginia as project sponsors and to remove the Shenandoah Valley Soil and Water Conservation District as a sponsor. This supplement also provided for revision of the design of structure No. 8 – Jones Hollow to enable modification for inclusion of private recreation storage.

The Watershed Plan, as supplemented, provided for the installation of 17 floodwater retarding structures (in addition to No. 24 – Happy Hollow which was already constructed), extensive channel work (approximately 17 miles of channel clearing and snagging, 13 miles of channel enlargement, and 31 miles of streambank stabilization), and land treatment measures including strip cropping, pasture seeding, pasture improvement, meadow development, grassed waterways, farm ponds, tree planting, and critical area stabilization. The watershed efforts have resulted in the successful implementation of twelve single purpose floodwater retarding structures (No. 24 – Happy Hollow, No. 23 – Robinson Hollow, No. 26 – Inch Branch, No. 19 – Waynesboro Nursery, No. 25 – Toms Branch, No. 11 – Canada Run, No. 7 – Lake Wilda, No. 3 – Poor Creek, No. 27 – Upper Sherando, No. 6 – Stoney Creek, No. 4 – Lofton Lake, and No. 8 – Jones Hollow) and one multi-purpose flood control and water supply reservoir (No. 10A Mills Creek) from 1954 to 1980. It also resulted in 1 mile of channel enlargement and 26 miles of channel clearing and snagging. However, due to various reasons, there remains in the watershed plan five flood control measures and 61 miles of channel work that were not implemented. All planned land treatment goals have been met or exceeded. Note: The municipal and industrial water supply storage that was originally included in the Mills Creek structure was eliminated when the site was rehabilitated in 2013. The reservoir was never going to be used for water supply due to water quality issues.

All the remaining measures planned, but not installed, will be deleted from the planned works of improvement.

The thirteen impoundments that were installed provide significant flood control, erosion and sediment control, downstream water quality, and recreation benefits to area residents. These impoundments also provide water quality benefits to the Shenandoah Valley, the Potomac River, and the Chesapeake Bay. The final Table 1, which displays the actual installation costs, is attached.

The South River Watershed is considered to be a completed project. The Sponsors and NRCS agree that the intentions of the project have been met and that there is no longer a desire to implement the remaining components in this watershed. Overall the project has proved to be a tremendous success with continuing environmental and social benefits that will be realized well into the future.

**Supplemental Watershed Agreement No. 3 (Closeout)**

**between the**

**Headwaters Soil and Water Conservation District  
Augusta County Board of Supervisors  
City of Waynesboro  
(Referred to herein as Sponsors)**

**and the**

**Natural Resources Conservation Service (formerly the Soil Conservation Service)  
United States Department of Agriculture  
(Referred to herein as NRCS)**

The purpose of this supplemental watershed agreement is to close out the project.

Whereas, the Work Plan for the South River Watershed, State of Virginia, executed by the Sponsors named therein and NRCS, became effective on the 25<sup>th</sup> day of January, 1955; and

Whereas, Supplemental Agreements for said watershed, executed by the Sponsors named therein and NRCS, became effective on the 22<sup>nd</sup> day of May, 1961 and the 1<sup>st</sup> day of October, 1976; and

Whereas, in order to carry out the watershed plan for said watershed, it has become necessary to modify said watershed agreement; and

Whereas, the responsibility for administration of the Flood Control Act, as amended, has been assigned by the Secretary of Agriculture to the NRCS;

Now, therefore, the Secretary of Agriculture through the NRCS and the Sponsors hereby agree upon the following modifications of the terms, conditions, and stipulations of said watershed agreement;

(1) All flood control and land treatment measures planned for the South River Watershed, but not installed, are hereby deleted from the planned works of improvement. This action closes out the project.

The Sponsors and NRCS further agree to all other terms, conditions, and stipulations of said watershed agreement not modified herein.

**Augusta County Board of Supervisors**

P.O. Box 590  
Verona, Virginia 24482

By: \_\_\_\_\_

TIMOTHY K. FITZGERALD

Title: County Administrator

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Augusta County Board of Supervisors at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Clerk or Notary  
Date: \_\_\_\_\_

P.O. Box 590  
Verona, Virginia 24482

**Headwaters Soil and Water Conservation District**

70 Dick Huff Lane  
Verona, Virginia 24482

By: \_\_\_\_\_

RICHARD SHIFLETT

Title: Chairman

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Headwaters Soil and Water Conservation District at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Secretary or Notary  
Date: \_\_\_\_\_

70 Dick Huff Lane  
Harrisonburg, Virginia 24482

**City of Waynesboro**

503 West Main Street, Suite 210  
Waynesboro, Virginia 22980

By: \_\_\_\_\_

MICHAEL G. HAMP, II

Title: City Manager

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the City of Waynesboro at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Clerk or Notary

503 West Main Street, Suite 210  
Waynesboro, Virginia 22980

Date: \_\_\_\_\_

-----

**Natural Resources Conservation Service  
United States Department of Agriculture**

Approved by:

\_\_\_\_\_

Date: \_\_\_\_\_

JOHN A. BRICKER  
State Conservationist

## Jennifer Whetzel

---

**From:** Biddix, Wade - NRCS, Richmond, VA <Wade.Biddix@va.usda.gov>  
**Sent:** Monday, March 12, 2018 9:51 AM  
**To:** Jennifer Whetzel; John Kaylor; Megen Dalton; Stephen King: sking@rockinghamcountyva.gov; Ande Banks  
**Cc:** Biddix, Wade - NRCS, Richmond, VA; Kriz, David - NRCS, Richmond, VA; Faulkner, David - NRCS, Richmond, VA  
**Subject:** Lower North River Watershed Plan Supplement No. 5 - Closeout  
**Attachments:** Lower North River Watershed Plan Supplement #5 - Closeout.pdf

To Jennifer, John, Megan, Stephen and Ande,

Good morning to all 5 project sponsors for the Lower North River Watershed Project in Augusta and Rockingham Counties. Each sponsor and NRCS has agreed to close out this project to new construction.

Attached is the final closeout supplement which needs to be signed by all 5 sponsors and the NRCS State Conservationist. This will take a little coordination between the Sponsors that are shown on the same signature pages (Rockingham County and the Shenandoah Valley SWCD) and (Augusta County and the Headwaters SWCD). The City of Harrisonburg will sign on the same page with the NRCS.

David Faulkner, NRCS Natural Resource Economist, will develop the final table 1 that contains all the final costs for the project.

The closeout supplement needs to be on the official board meeting of each sponsor and action taken to close the project out. Here are the next several meetings of each Sponsor:

- Augusta County Board of Supervisors – Meets the 2<sup>nd</sup> and 4<sup>th</sup> Wednesday of each month – March 14 and March 28
- Headwaters SWCD – Meet 3<sup>rd</sup> Tuesday of each month – March 20
- Rockingham County Board of Supervisors – Meets March 14 and March 28
- Shenandoah Valley SWCD – Meets 1<sup>st</sup> Thursday – April 5<sup>th</sup>
- City of Harrisonburg – Meets 2<sup>nd</sup> and 4<sup>th</sup> Tuesdays – March 13<sup>th</sup> and March 27<sup>th</sup>

### Actions Needed:

- 1) Print out 7 copies of this close-out supplement (one original copy for each Sponsor, one for NRCS in Richmond, and one for NRCS in Washington DC).
- 2) Put the North River Watershed Close-out as an agenda item on your board/council meeting and get the Board/Council to authorize the closeout.
- 3) Sign and date all 7 copies of the supplement in blue ink if possible. Record the meeting date that the project closeout was approved. Then get your Clerk, Secretary, Notary, etc. to sign and date all seven copies.
- 4) Coordinate the signing between 1) Rockingham County and the Shenandoah Valley SWCD and 2) Augusta County and the Headwaters SWCD.
  - a. Whoever signs the supplement first is responsible for getting the documents over to the other sponsor for their signatures.
- 5) Once all the documents are signed, please return all the originals to me at the address below.
- 6) I will get the NRCS State Conservationist to sign them and return file copies to each sponsor along with the Final Table 1 which contains all the costs.
- 7) I will work with NHQ to officially close out the project.

Let me know if you have any questions. Thanks for your assistance with this project closeout.

**R. Wade Biddix**  
**Watershed Program Specialist**  
**ACES Employee**  
**1606 Santa Rosa Road, Suite 209**  
**Richmond, Virginia 23229-5014**

**Tel: 804-287-1675**  
**Cell: 804-332-3512**  
**email: [wade.biddix@va.usda.gov](mailto:wade.biddix@va.usda.gov)**

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## **Lower North River Watershed**

Augusta and Rockingham Counties, Virginia

Supplement No. 5 (Closeout)

March 2018

### Need for the Supplement

The Sponsors of the Lower North River Watershed Project: Augusta County Board of Supervisors, Rockingham County Board of Supervisors, the City of Harrisonburg, the Headwaters Soil and Water Conservation District, and the Shenandoah Valley Soil and Water Conservation District agree with the USDA Natural Resources Conservation Service (NRCS) to close out the project.

The Work Plan and Supplemental Plans and Agreements for the Lower North River Watershed were authorized under the authority of the Flood Control Act of 1944, Public Law 78-534, as amended.

The Watershed Plan, as supplemented, provided for the installation of 16 floodwater retarding structures, 9.98 miles of stream channel improvements, and 8,400 feet of dikes. The project resulted in the successful implementation of five single purpose floodwater retarding structures (Union Springs, Briery Branch, Hone Quarry, Dry Run, and Dry River) and one multi-purpose flood control and water supply reservoir ((Switzer Dam) from 1967 to 1980. However, due to various reasons, there remains in the watershed plan several flood control measures that were not implemented. All the remaining measures planned, but not installed, will be deleted from the planned works of improvement.

The six impoundments that were installed, provide significant flood control, erosion and sediment control, downstream water quality, recreation, and municipal and industrial water supply benefits to area residents. They provide 165 surface acres of water which can be used for recreation, 4,500 acre-feet of water supply storage, 9,829 acre-feet of floodwater retarding capacity, and 1,331 acre-feet of sediment storage. These impoundments also provide downstream water quality benefits to the Shenandoah Valley, the Potomac River, and the Chesapeake Bay. The final Table 1, which displays the actual installation costs, is attached.

The Lower North River Watershed is considered to be a completed project. The Sponsors and NRCS agree that the intentions of the project have been met and that there is no longer a desire to implement the remaining components in this watershed. Overall the project has proved to be a tremendous success with continuing environmental and social benefits that will be realized well into the future.

**Supplemental Watershed Agreement No. 5 (Closeout)**

**between the**

**Shenandoah Valley Soil and Water Conservation District  
Headwaters Soil and Water Conservation District  
Augusta County Board of Supervisors  
Rockingham County Board of Supervisors  
City of Harrisonburg  
(Referred to herein as Sponsors)**

**and the**

**Natural Resources Conservation Service (formerly the Soil Conservation Service)  
United States Department of Agriculture  
(Referred to herein as NRCS)**

The purpose of this supplemental watershed agreement is to close out the project.

Whereas, the Work Plan for the Lower North River Watershed, State of Virginia, executed by the Sponsors named therein and NRCS, became effective on the 10<sup>th</sup> day of September, 1964; and

Whereas, Supplemental Agreements for said watershed, executed by the Sponsors named therein and NRCS, became effective on the 17<sup>th</sup> day of April, 1964, the 18<sup>th</sup> day of April, 1972, the 14<sup>th</sup> day of December, 1983, and the 8<sup>th</sup> day of July, 1993; and

Whereas, in order to carry out the watershed plan for said watershed, it has become necessary to modify said watershed agreement; and

Whereas, the responsibility for administration of the Flood Control Act, as amended, has been assigned by the Secretary of Agriculture to the NRCS;

Now, therefore, the Secretary of Agriculture through the NRCS and the Sponsors hereby agree upon the following modifications of the terms, conditions, and stipulations of said watershed agreement;

(1) All flood control and land treatment measures planned for the Lower North River Watershed Plan, but not installed, are hereby deleted from the planned works of improvement. This action closes out the project.

The Sponsors and NRCS further agree to all other terms, conditions, and stipulations of said watershed agreement not modified herein.

**Rockingham County Board of Supervisors**

20 East Gay Street  
Harrisonburg, Virginia 22802

By: \_\_\_\_\_

STEPHEN G. KING, P.E.

Title: County Administrator

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Rockingham County Board of Supervisors at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Clerk or Notary

20 East Gay Street  
Harrisonburg, Virginia 22802

Date: \_\_\_\_\_

-----

**Shenandoah Valley Soil and Water Conservation District**

1934 Deyerle Avenue, Suite B  
Harrisonburg, Virginia 22801

By: \_\_\_\_\_

WILLIAM K. LATHAM

Title: Chairman

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Shenandoah Valley Soil and Water Conservation District at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Secretary or Notary

1934 Deyerle Avenue, Suite B  
Harrisonburg, Virginia 22801

Date: \_\_\_\_\_

**Augusta County Board of Supervisors**

P.O. Box 590  
Verona, Virginia 24482

By: \_\_\_\_\_

**TIMOTHY K. FITZGERALD**

Title: County Administrator

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Augusta County Board of Supervisors at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Clerk or Notary

Date: \_\_\_\_\_

P.O. Box 590  
Verona, Virginia 24482

-----

**Headwaters Soil and Water Conservation District**

70 Dick Huff Lane  
Verona, Virginia 24482

By: \_\_\_\_\_

**RICHARD SHIFLETT**

Title: Chairman

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the Headwaters Soil and Water Conservation District at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Secretary or Notary

Date: \_\_\_\_\_

70 Dick Huff Lane  
Harrisonburg, Virginia 24482

City of Harrisonburg

P.O. Box 20031  
Harrisonburg, Virginia 22802

By: \_\_\_\_\_

ERIC D. CAMPBELL

Title: City Manager \_\_\_\_\_

Date: \_\_\_\_\_

The signing of this supplemental watershed agreement was authorized by the governing body of the City of Harrisonburg at a meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Clerk or Notary

P.O. Box 20031  
Harrisonburg, Virginia 22802

Date: \_\_\_\_\_

-----  
**Natural Resources Conservation Service  
United States Department of Agriculture**

Approved by:

\_\_\_\_\_  
Date: \_\_\_\_\_

**JOHN A. BRICKER  
State Conservationist**





**COUNTY OF AUGUSTA**  
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
P.O. BOX 590  
COUNTY GOVERNMENT CENTER  
VERONA, VA 24482-0590



**MEMORANDUM**

**TO:** Board of Supervisors  
**FROM:** Leslie Tate, Planner II *Leslie*  
**DATE:** March 22, 2018  
**SUBJECT:** Wilson Workforce and Rehabilitation Center Small Area Study Recommendations

The Wilson Workforce and Rehabilitation Center Small Area Study addresses the operational and safety issues on US 250 (Jefferson Highway) as they relate to access to the Wilson Workforce and Rehabilitation Center (WWRC) Complex. The limits of the study are US 250 between Barren Ridge Road and Idlewood Boulevard, and the intersection of VA 358 (Woodrow Wilson Avenue) and VA 636 (Lifecore Drive).

The Staunton-Augusta-Waynesboro MPO (SAWMPO), in cooperation with VDOT and Augusta County began with a stakeholders meeting held in March 2017 and a public meeting held June 2017. Timmons Group, transportation consultants, performed analysis and presented short-term recommendations and 3 options for secondary access road alignments as long-term recommendations at a public meeting held January 2018.

Attached are the short-term improvement recommendations and the 3 options for long-term improvement recommendations, associated cost estimates for all recommendations, and the technical memo provided by Timmons Group.

LT



1001 Boulders Parkway  
Suite 300  
Richmond, VA 23225

P 804.200.6500  
F 804.560.1016  
[www.timmons.com](http://www.timmons.com)

To: Ann Cundy (CSPDC)  
Scott Phillips (CSPDC)

From: Steve Schmidt, PE, PTOE

RE: Wilson Workforce Rehabilitation Center/US 250 Small Area Study

Date: March 20, 2018

Copy: Scott Dunn, AICP, PTP (Timmons Group)

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Timmons Group performed traffic planning and analysis in support of the Wilson Workforce Rehabilitation Center (WWRC)/US 250 Small Area Study. The goal of the project was to identify short and long-term improvement options for access to the WWRC Complex.

The WWRC Complex consists of:

- Wilson Elementary School;
- Valley Career and Technical Center;
- Wilson Middle School;
- Wilson High School;
- Wilson Workforce and Rehabilitation Center; and
- Offices, maintenance facilities, etc.

These uses are all served by a single entrance, Woodrow Wilson Avenue (VA 354), which connects to US 250 (Jefferson Avenue) at a signalized intersection. Lifecore Drive forms the fourth leg of the signalized intersection.

### Project Process and Timeline

The project began with a stakeholders meeting in March 2017, which was followed by an initial public meeting in June 2017. These two meetings identified the issues and provided a framework for the analysis and study.

Once schools were in session for the 2017-2018 calendar year, on-site field observations were conducted in September 2017.

From there, Timmons Group developed both short and long-term improvement options. The short-term options focused on improving the existing US 250/Woodrow Wilson Avenue/Lifecore Drive intersection while the long-term options focused on providing a second point of access to the Complex.

The initial options were presented to the stakeholders in October 2017. Final options, which were refined based stakeholder input, were approved in December 2017.

A second public meeting was held to present the short and long-term options to the public in January 2018. This was followed by a presentation to the Staunton Augusta Waynesboro Metropolitan Planning Organization (SAWMPO) in March 2018.

#### Study Team and Stakeholder Group

The Study Team Members were:

Wendell Coleman, Augusta County Board of Supervisors and SAWMPO Policy Board

Timothy Fitzgerald, Augusta County and SAWMPO Policy Board

Leslie Tate, Augusta County

Doug Wolfe, Augusta County

Ann Cundy, CSPDC/SAWMPO

Scott Philips, CSPDC/SAWMPO

Terry Short, VDOT

Adam Campbell, VDOT

Don Komara, VDOT

Josh Dunlap, VDOT

Timmons Group

The Stakeholder Group included the Study Team, as well as staff from Augusta County Public Schools, and the Wilson Workforce and Rehabilitation Center

#### Existing Conditions

Currently, the Complex is served by a single signalized intersection at US 250/Woodrow Wilson Avenue/Lifecore Drive. Entering traffic is provided one (1) eastbound left turn lane, one (1) westbound right turn lane, and a northbound shared through-right lane from Lifecore Drive. Exiting traffic is served by dual southbound left turn lanes and a shared through-right lane.

Based on input from both the stakeholders and public meeting participants, the three (3) main issues at the intersection are as follows:

1. The westbound right turn lane from US 250 onto Woodrow Wilson Avenue experiences extensive queues in the AM peak hour. With buses, faculty, students, parents, and office workers all arriving in a very short, condensed time frame, the queue extends up the hill towards Barren Ridge Road.
2. The southbound shared through/right turn from Woodrow Wilson Avenue to US 250 experiences extensive queues during both the AM and PM peak hours. All traffic leaving the

site queues back to the elementary school and blocks the southbound left turn lanes at US 250.

3. There are no secondary access points or emergency access easements to the Complex.

#### Existing Traffic Volumes

Existing AM and PM peak hour traffic volumes were collected by VDOT in February 2017 when public schools were in session. The counts indicate the AM peak hour occurs from 7:15-8:15 AM and the PM peak hour occurs from 3:00-4:00 PM.

#### Existing Traffic Observations

Timmons Group performed on-site observations in September 2017. The observations confirmed the concerns raised by the stakeholders and citizens at the initial meetings. Specifically, Timmons Group observed the following:

1. The westbound right turn queue extended more than 1,800 feet in the AM peak hour. The existing right turn lane has 250 feet of storage; the queue extended out of the turn lane and into the through lane. This blocked westbound through traffic and reduced the capacity of the intersection.
2. In the westbound direction, the crest of the hill limits sight distance and approaching traffic cannot see the queue of vehicles in the through lane.
3. In the AM peak hour, the eastbound left queue filled the existing turn lane but did not spill back into the through lane.
4. In both the AM and PM peak hour, the southbound queue extended at least 1,800' to the elementary school and beyond. The traffic blocked all the southbound lanes and limited access to (and effectiveness of) the dual southbound turn lanes.

#### Existing Traffic Capacity Analysis

Capacity analyses were performed to assess traffic conditions for each analysis scenario. The analysis included delay, level of service, and 95<sup>th</sup> percentile queuing. The intersections were analyzed using SYNCHRO Version 9.1 based on HCM 2010 methodologies with the following assumptions:

- The peak hour factor (PHF) for the overall intersection was obtained from the turning movement counts;
- The analysis used specific PHFs to accurately represent the condensed time frame of arriving and departing volumes.

- Heavy vehicle percentages for each movement based on the collected traffic data with a minimum percentage of 2%;
- The existing signal timings (Synchro files) provided by VDOT; and
- All other software defaults remain unchanged.

The existing capacity analysis was performed based on the existing intersection geometrics and the existing peak hour counts described above.

The results of the analysis are summarized in Table 1 and the analysis worksheets are contained in Appendix A.

As shown in Table 1, the US 250/Woodrow Wilson Avenue/Lifecore Drive intersection operates at an overall Level of Service (LOS) E in the AM peak hour, and D in the PM peak hour. Several of the individual movements operate at LOS E or F in both peak hours.

The westbound right turn operates at a LOS E with an average delay of 75.5 seconds/vehicle in the AM peak hour. The southbound through-right lane operates at a LOS F with an average delay of 95.2 seconds per vehicle in the AM peak hour, and LOS E with an average delay of 58.2 seconds/vehicle in the PM peak hour.

**Table 1: Intersection Level of Service, Delay, and Queue Summary  
 for 2017 Existing Traffic Conditions**

| Intersection and Type of Control   | Movement and Approach | Turn Lane Storage (ft) | AM Peak Hour                 |                  |  | PM Peak Hour                 |                  |  |
|--|-----------------------|------------------------|------------------------------|------------------|--|------------------------------|------------------|--|
|  |                       |                        | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) |
| 2017 Existing (195s cycle length)  |                       |                        |                              |                  |  |                              |                  |  |
| 1. US Route 250 (E-W) at Lifecore Drive (N) Woodrow Wilson Ave (S)<br><br>Signalized | NB Left (2)           | 220                    | 100.7                        | F                | #121                                       | 61.8                         | E                | 201  |
|  | NB Thru-Right         |                        | 103.9                        | F                | 449  | 54.2                         | E                | 118  |
|  | NB Approach           |                        | 103.0                        | F                | --   | 58.9                         | E                | --   |
|  | SB Left (2)           | 220                    | 99.9                         | F                | 157  | 56.3                         | E                | 215  |
|  | SB Thru-Right         |                        | 95.2                         | F                | 396  | 58.2                         | E                | 356  |
|  | SB Approach           |                        | 97.5                         | F                | --   | 57.1                         | E                | --   |
|  | EB Left               | 482                    | 55.7                         | E                | 402  | 33.2                         | C                | 81   |
|  | EB Thru (2)           |                        | 35.8                         | D                | 213  | 46.5                         | D                | 397  |
|  | EB Right              | 490                    | 29.5                         | C                | 1  | 26.2                         | C                | 36   |
|  | EB Approach           |                        | 41.9                         | D                | --   | 41.1                         | D                | --   |
|  | WB Left               | 350                    | 44.0                         | D                | 77   | 35.5                         | D                | 58   |
|  | WB Thru (2)           |                        | 56.6                         | E                | 294  | 47.6                         | D                | 361  |
|  | WB Right              | 250                    | 75.5                         | E                | 550  | 18.8                         | B                | 0  |
|  | WB Approach           |                        | 66.7                         | E                | --   | 41.3                         | D                | --   |
|  | <b>Overall</b>        |                        |                              | <b>70.0</b>      | <b>E</b>                                   | <b>--</b>                    | <b>48.7</b>      | <b>D</b>                                   |

<sup>1</sup> Overall intersection LOS and delay reported for signalized intersections only.

<sup>2</sup> Channelized right turn not controlled by the signal.

# - 95th percentile volume exceeds capacity, queue may be longer. Queue shown is maximum after two cycles.

### Short-Term Options

Timmons Group developed and analyzed short-term options for improving the US 250/Woodrow Wilson Avenue/Lifecore Drive intersection. The goals of the short-term options were:

- Alleviate congestion at the intersection;
- Minimize delay and queues during the AM and school PM peak hours; and
- Preserve existing multi-use path/pedestrian amenities.

- o Currently there is a multi-use path along the western side of Woodrow Wilson Avenue and Lifecore Drive with a crosswalk and pedestrian signal across Jefferson Highway. Maintaining these facilities was a priority in developing the short-term options.

The following short term-options were developed and evaluated:

- Channelized, free-flow westbound right turn lane and associated northbound receiving lane;
- Separate southbound right turn lane; and
- Signal timing adjustments.

The short-term improvements are shown schematically in Figure 1 (wide view) and Figure 2 (close view).

The channelized westbound right turn lane and northbound receiving lane allow traffic entering the Complex to operate free-flow and not stop. This improvement includes a concrete triangular median on US 250 to separate the right turn from the rest of traffic and an additional northbound lane on Woodrow Wilson Avenue to receive the right turn traffic

The receiving lane will extend approximately 1,200 feet and terminate at the existing right turn lane into the elementary school. The option exists to extend the receiving lane another 800' past the elementary school to the future roundabout; however, this may impact the proposed roundabout design. It should be noted that an analysis of operational conditions within the WWRC complex was outside the scope of this Study. Additional analysis will be required to determine the benefits of the second northbound receiving lane options along Woodrow Wilson Avenue.

The separate southbound right turn lane will include 250 feet of storage and 200 feet of taper and will result in a separate lane for the right traffic, the through traffic, and dual left lanes. This improvement may require shifting the existing lanes west and relocating the existing multi-use path; however, there may also be an option to hold the existing western edge of the pavement and push the improvements along Woodrow Wilson Avenue to the east.

The short-term improvements will also require modifications to the existing traffic signal to accommodate the new channelized westbound right turn lane, and updating the signal timings at the intersection.

**Short-Term Improvements Capacity Analysis**

The impacts of the short-term improvements were analyzed under both existing conditions (2017) and future conditions (2022).

The results of the existing conditions (2017) analysis are summarized in Table 2 and the analysis worksheets are contained in Appendix B.

**Table 2: Intersection Level of Service, Delay, and Queue Summary for 2017 Traffic Conditions**

| Intersection and Type of Control                                   | Movement and Approach | Turn Lane Storage (ft) | AM Peak Hour                 |                  |  | PM Peak Hour                 |                  |  | AM Peak Hour                                  |                  |  | PM Peak Hour                 |                  |  |
|--|-----------------------|------------------------|------------------------------|------------------|--|------------------------------|------------------|--|---|------------------|--|------------------------------|------------------|--|
|  |                       |                        | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh)                  | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) |
|  |                       |                        | Existing Lane Use            |                  |  |                              |                  |  | With Free-Flow WB Turn Lane and Exclusive SBR |                  |  |                              |                  |  |
| 1. US Route 250 (E-W) at Lifecore Drive (N) Woodrow Wilson Ave (S) | NB Left (2)           | 220                    | 100.5                        | F                | 1121                                       | 63.9                         | E                | 201  | 81.6  | F                | 119  | 56.1                         | E                | 185  |
|  | NB Thru-Right         |                        | 103.2                        | F                | 449  | 56.8                         | E                | 118  | 87.4  | F                | 442  | 58.6                         | E                | 114  |
|  | NB Approach           |                        | 102.4                        | F                | --   | 61.2                         | E                | --   | 86.3  | F                | --   | 56.3                         | E                | --   |
|  | SB Left (2)           | 220                    | 100.3                        | F                | 153  | 57.3                         | E                | 214  | 84.9  | F                | 151  | 51.1                         | D                | 200  |
|  | SB Thru-Right         |                        | 97.6                         | F                | 395  | 61.8                         | E                | 256  | --  | --               | --   | --                           | --               | --   |
|  | SB Thru               |                        | --                           | --               | --   | --                           | --               | --   | 50.1  | D                | 165  | 41.2                         | D                | 161  |
|  | SB Right              | 250                    | --                           | --               | --   | --                           | --               | --   | 22.2  | C                | 90   | 33.5                         | C                | 177  |
|  | SB Approach           |                        | 98.9                         | F                | --   | 59.2                         | E                | --   | 57.2  | E                | --   | 45.1                         | D                | --   |
|  | EB Left               | 483                    | 53.8                         | D                | 398  | 31.8                         | C                | 81   | 56.7  | E                | 440  | 29.5                         | C                | 77   |
|  | EB Thru (2)           |                        | 35.3                         | D                | 211  | 45.8                         | D                | 398  | 37.9  | D                | 230  | 43.2                         | D                | 375  |
|  | EB Right              | 490                    | 29.0                         | C                | 1  | 26.2                         | C                | 36   | 29.8  | C                | 1  | 21.8                         | C                | 33   |
|  | EB Approach           |                        | 40.9                         | D                | --   | 40.5                         | D                | --   | 43.1  | D                | --   | 37.9                         | D                | --   |
|  | WB Left               | 350                    | 43.4                         | D                | 76   | 34.8                         | D                | 58   | 53.5  | D                | 80   | 31.5                         | C                | 55   |
|  | WB Thru (2)           |                        | 55.8                         | E                | 292  | 47.5                         | D                | 261  | 71.3  | E                | 339  | 45.0                         | D                | 345  |
|  | WB Right              | 250                    | 75.0                         | E                | 549  | 18.8                         | B                | 0  | Free-Flow <sup>(2)</sup>                      |                  |  | Free-Flow <sup>(2)</sup>     |                  |  |
| WB Approach  |                       | 66.1                   | E                            | --               | 41.2                                       | D                            | --               | 29.9                                       | C   | --               | 15.6                                       | D                            | --               |  |
| Overall  |                       |                        | 69.8                         | E                | --   | 48.5                         | D                | --   | 48.9  | D                | --   | 43.2                         | D                | --   |

<sup>1</sup> Overall intersection LOS and delay reported for signalized intersections only  
<sup>2</sup> Channelized right turn not controlled by the signal.  
 # - 95th percentile volume exceeds capacity, queue may be longer. Queue shown is maximum after two cycles.

As shown in Table 2, with the short-term improvements and 2017 traffic volumes, the overall LOS of the intersection will improve in both the AM and PM peak hours. The free-flow westbound right turn lane eliminates the delay and queue for that movement and allows for signal timing adjustments to improve the operations of other movements. The southbound right queue is reduced to 177 feet, and will be contained within the storage area of the new turn lane. The southbound right delay is reduced by 30 seconds/vehicle.

The 2022 traffic volumes were developed using the following annual linear growth rates, discussed and agreed upon by the study team (applied to the existing 2017 volumes):

- US 250: 1.0%;
- Woodrow Wilson Avenue: 0.5%; and
- Lifecore Drive 2.0%

The capacity of the intersection under 2022 traffic conditions was analyzed for both no-build (no short-term improvements) and build conditions (with the short-term improvements).

The results of the analysis are summarized in Table 3, and the analysis worksheets are contained in Appendix C for the 2022 no-build conditions, and Appendix D for 2022 build conditions.

**Table 3: Intersection Level of Service, Delay, and Queue Summary for 2022 Traffic Conditions**

| Intersection and Type of Control   | Movement and Approach | Turn Lane Storage (ft) | AM Peak Hour                               |                  |  | PM Peak Hour                 |                  |  | AM Peak Hour   |                  |  | PM Peak Hour                 |                  |  |    |
|--|-----------------------|------------------------|--|------------------|--|------------------------------|------------------|--|--|------------------|--|------------------------------|------------------|--|----|
|  |                       |                        | Delay <sup>1</sup> (sec/veh)               | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh)   | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) | Delay <sup>1</sup> (sec/veh) | LOS <sup>1</sup> | HCM 2000 95th Percentile Queue Length (ft) |    |
|  |                       |                        | 2022 No Build (existing 195s cycle length) |                  |  |                              |                  |  | With Free-flow WBR Turn Lane and SBR Turn Lane (optimized 150s cycle length) |                  |  |                              |                  |  |    |
| 1. US Route 250 (E-W) at Lifecare Drive (N) Woodrow Wilson Ave (S)<br><br>Signalized | NB Left (2)           | 220                    | 107.3                                      | F                | #137                                       | 65.2                         | E                | 224  | 70.5   | E                | 180  | 58.8                         | E                | 183  |    |
|  | NB Thru-Right         |                        | 108.6                                      | F                | #472                                       | 56.3                         | E                | 121  | 94.9   | F                | #404                                       | 57.8                         | E                | 184  |    |
|  | NB Approach           |                        | 108.2                                      | F                | --   | 61.9                         | E                | --   | 87.8   | F                | --   | 56.9                         | E                | --   |    |
|  | SB Left (2)           | 220                    | 108.8                                      | F                | 162  | 59.8                         | E                | 233  | 85.4   | F                | 127  | 52.5                         | D                | 188  |    |
|  | SB Thru-Right         |                        | 104.5                                      | F                | 414  | 60.8                         | E                | 373  | 45.6   | D                | 145  | 41.2                         | D                | 153  |    |
|  | SB Right              |                        | --   | --               | --   | --                           | --               | --   | 21.3   | C                | 70   | 34.8                         | C                | 160  |    |
|  | SB Approach           |                        | 106.6                                      | F                | --   | 59.6                         | E                | --   | 57.1   | E                | --   | 46.2                         | D                | --   |    |
|  | EB Left               | 482                    | 81.3                                       | E                | 412  | 34.7                         | C                | 91   | 86.6   | E                | 392  | 30.2                         | C                | 71   |    |
|  | EB Thru (2)           |                        | 36.0                                       | D                | 222  | 48.1                         | D                | 442  | 35.5   | D                | 197  | 41.9                         | D                | 355  |    |
|  | EB Right              | 490                    | 29.7                                       | C                | 0  | 26.7                         | C                | 36   | 27.3   | C                | 6  | 23.8                         | C                | 33   |    |
|  | EB Approach           |                        | 44.1                                       | D                | --   | 42.4                         | D                | --   | 45.2   | D                | --   | 36.9                         | D                | --   |    |
|  | WB Left               | 350                    | 45.9                                       | D                | 80   | 36.7                         | D                | 87   | 26.1   | C                | 69   | 29.7                         | C                | 53   |    |
|  | WB Thru (2)           |                        | 59.2                                       | E                | 311  | 48.7                         | D                | 392  | 64.9   | E                | 283  | 41.5                         | D                | 313  |    |
|  | WB Right              | 250                    | 94.2                                       | F                | 604  | 18.7                         | B                | 8  | 1.1  | A                | 0  | 8.1                          | A                | 0  |    |
|  | WB Approach           |                        | 78.2                                       | E                | --   | 42.2                         | D                | --   | 27.0   | C                | --   | 33.0                         | C                | --   |    |
|  | Overall               |                        |  | 77.0             | E  | --                           | 58.3             | D  | --   | 44.9             | D  | --                           | 41.7             | D  | -- |

<sup>1</sup> Overall Intersection LOS and delay reported for signalized intersections only.  
<sup>2</sup> Channelized right turn not controlled by the signal.  
 # - 95th percentile volume exceeds capacity, queue may be longer. Queue shown is maximum after two cycles.

As shown in Table 3, without the short-term improvements, the operations and queuing of the intersection will deteriorate in 2022.

With the short-term improvements, the overall intersection LOS will improve in both the AM and PM peak hours. The free-flow westbound right turn lane, again, eliminates the delay and queue for that movement and allows for signal timing adjustments to improve the operations of other movements. The southbound right queue is reduced to 160 feet and will be contained within the storage area of the new turn lane. The southbound right delay is reduced by over 40 seconds/vehicle.

**Short-Term Improvement Cost Estimates**

Planning level cost estimates were developed for the short-term improvements listed above. The estimated cost of the short-term improvements at \$1.5 to \$1.8 million (2018 dollars) and includes engineering, construction, right-of-way, utilities, traffic signal work, relocation of the pedestrian path, and contingency fees. Detailed estimates are included in Appendix E.

If the northbound receiving lane on Woodrow Wilson Avenue is extended to the roundabout, the cost estimate increases to \$2.1 to \$2.5 million (2018 dollars).

### **Long-Term Options**

Timmons Group developed and analyzed three long-term options for providing secondary access to the Complex. The goals of the long-term options were:

- Alleviate congestion at the existing entrance;
- Provide secondary and emergency access to the Complex; and
- Provide access to adjacent/undeveloped parcels.

To accomplish the long-term goals, a new roadway would be built connecting the Complex with the surrounding roadway network. Based on traffic projections and the nature of the roadway, a typical section was developed and included the following:

- Two 13' vehicular travel lanes (one lane in each direction);
- 10' multi-use path on one side; and
- Option for either curb and gutter or ditch section.

Figure 3 shows the typical section with curb and gutter. Figure 4 shows the typical section with roadside ditch. Both of these were considered relative to the proposed options.

The initial evaluation identified 13 potential alignments which were then narrowed down to three with input from the Stakeholder Group. The three options are shown schematically on Figure 5. All alignments are conceptual in nature and represent planning level efforts; no engineering studies or design have been completed for the alignments.

The horizontal and vertical alignments for each option are shown on Figures 6 through 8. The horizontal alignment is on top with the vertical profile on the bottom. The green sections of the vertical profiles represent fill sections and the pink represent cut sections.

With Options A and B, the intersection control at the connection point on US 250 is undetermined. US 250 is part of the proposed VDOT Arterial Preservation Network, which requires the consideration of intersection control methods that preserves and enhances the capacity and safety of critical transportation highway. All new traffic signals may require exceptions and approval of the VDOT State Traffic Engineer. Operational analysis of all three options assumes the installation of the short-term improvements at the US 250/Wilson Avenue/Lifecore Drive intersection.

Each option is discussed in further detail below.

#### **Option A**

As shown in Figure 6, Option A is located west of Woodrow Wilson Avenue connecting US 250 near the Virginia Employment Commission building with the western portion of the Complex. The option is

approximately 3,700 feet in length and would connect with the Complex via Hornet Road near the Rehabilitation Center.

Option A provides direct access to the Complex and relief for the eastbound left movement in the AM peak hour and the southbound right in both the AM and PM peak hours. With the alignment currently shown, the majority of the right-of-way is across State-owned property.

Option A alone does not provide relief for the heavy westbound traffic in the AM peak hour, but the congestion related to this westbound traffic is generally resolved with the short term improvements at US 250 and Woodrow Wilson Avenue/Lifecore Drive.

Right and left turn lanes on US 250 would likely be required with Option A; however, a more detailed analysis of intersection control would be conducted if this option were pursued for funding.

#### Option B

As shown in Figure 7, Option B is located east of Woodrow Wilson Avenue, connecting to US 250 near the crest of the hill, and connects into the Complex behind the Technical Center near the current bus parking area. The option is approximately 3,900 feet in length and provides access to the Middle/High School portion of the Complex.

Option B provides direct access to the Complex, and provides relief for the westbound traffic in the AM peak hour and the southbound left traffic in both the AM and PM peak hours. This option provides access to adjacent/undeveloped parcels, but requires obtaining right-of-way from individual private owners.

Right and left turn lanes on US 250 would likely be required with Option B; however, a more detailed analysis of intersection control would be conducted if this option were pursued for funding.

#### Option C

As shown in Figure 8, Option C connects to Barren Ridge Road and the existing traffic signal at the US 250/Barren Ridge Road/Mule Academy Road intersection and connects into the Complex behind the Technical Center near the current bus parking area. The option is approximately 5,000 feet in length, and provides access to the Middle/High School portion of the Complex.

Barren Ridge Road would be realigned to become the minor street where the southbound traffic yields to through traffic on the proposed road. The portion of Barren Ridge Road between Option C and US 250 would be widened from one (1) to two (2) lanes to accommodate a southbound left turn lane. In addition, westbound right and eastbound left turn lanes would be added/extended on US 250. The existing traffic signal would be modified to accommodate the improvements.

Option C provides direct access to the Complex, and relief for the westbound traffic in the AM peak hour and the southbound left traffic in both the AM and PM peak hours. The option provides access to adjacent/undeveloped parcels, but requires obtaining right-of-way from individual private owners.

#### Long-Term Improvements Capacity Analysis

The impacts of the long-term improvements were analyzed under future (2040) conditions. To develop the 2040 traffic volumes, the following annual linear growth rates were discussed and agreed upon by the study team and applied to the existing volumes:

- US 250: 1.0%;
- Woodrow Wilson Avenue: 0.5%; and
- Lifecore Drive 2.0%.

Since the options include new or modified connections to US 250, the long-term analysis includes the respective connection point, the US 250/Woodrow Wilson Avenue/Lifecore Drive intersection, and the US 250/Barren Ridge Road/Mule Academy Road intersection.

For the purposes of this analysis, new traffic signals were assumed at the connection points on US 250 for Options A and B.

The capacity of the intersections under 2040 traffic conditions was analyzed for each option. The results of the analysis are summarized in Table 4, and the analysis worksheets are contained in Appendices F through H for Options A through C, respectively.

As shown in Table 4, each of the options provide relief to the existing US 250/Woodrow Wilson Avenue/Lifecore Drive intersection.

Option A operates at an overall LOS A in both peak hours at the connection point to US 250, and the US 250/Wilson Avenue/Lifecore Drive intersection operates at an overall LOS C in the AM peak and D in the PM peak.

Option B operates at an overall LOS A in both peak hours at the connection point to US 250, and the US 250/Wilson Avenue/Lifecore Drive intersection operates at an overall LOS D in the AM peak and D in the PM peak.

Option C operates at an overall LOS D in both peak hours at the US 250/Barren Ridge Road/Mule Academy Road intersection, and the US 250/Wilson Avenue/Lifecore Drive intersection operates at an overall LOS D in the AM peak and D in the PM peak.

Like the analysis of short-term improvements, the analysis of Options A, B, and C does not include traffic operations internal to WWRC. Additional analysis will be required to support a project application if any of the options were to be advanced for funding consideration.

Table 4: Intersection Level of Service, Delay, and Queue Summary for 2040 Traffic Conditions

| Intersection and Approach                                  | Approach           | Lane | APD (Peak Hour) |       | APD (Peak Hour) |       | APD (Peak Hour) |       | APD (Peak Hour) |       | APD (Peak Hour) |       | APD (Peak Hour) |       |
|--|--------------------|------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
|  |                    |      | Vehicle         | Truck | Vehicle         | Truck | Vehicle         | Truck | Vehicle         | Truck | Vehicle         | Truck | Vehicle         | Truck |
| 1. US Route 202 (E-W) at<br>Clinton St (N-S)<br>Signalized | US Route 202 (E-W) | L    | 11              | 0     | 11              | 0     | 11              | 0     | 11              | 0     | 11              | 0     | 11              | 0     |
|  |                    |      | 12              | 0     | 12              | 0     | 12              | 0     | 12              | 0     | 12              | 0     | 12              | 0     |
|  |                    |      | 13              | 0     | 13              | 0     | 13              | 0     | 13              | 0     | 13              | 0     | 13              | 0     |
|  | US Route 202 (E-W) | R    | 14              | 0     | 14              | 0     | 14              | 0     | 14              | 0     | 14              | 0     | 14              | 0     |
|  |                    |      | 15              | 0     | 15              | 0     | 15              | 0     | 15              | 0     | 15              | 0     | 15              | 0     |
|  |                    |      | 16              | 0     | 16              | 0     | 16              | 0     | 16              | 0     | 16              | 0     | 16              | 0     |
|  | US Route 202 (E-W) | L    | 17              | 0     | 17              | 0     | 17              | 0     | 17              | 0     | 17              | 0     | 17              | 0     |
|  |                    |      | 18              | 0     | 18              | 0     | 18              | 0     | 18              | 0     | 18              | 0     | 18              | 0     |
|  |                    |      | 19              | 0     | 19              | 0     | 19              | 0     | 19              | 0     | 19              | 0     | 19              | 0     |
|  | US Route 202 (E-W) | R    | 20              | 0     | 20              | 0     | 20              | 0     | 20              | 0     | 20              | 0     | 20              | 0     |
|  |                    |      | 21              | 0     | 21              | 0     | 21              | 0     | 21              | 0     | 21              | 0     | 21              | 0     |
|  |                    |      | 22              | 0     | 22              | 0     | 22              | 0     | 22              | 0     | 22              | 0     | 22              | 0     |
| 2. US Route 202 (E-W) at<br>Clinton St (N-S)<br>Signalized | US Route 202 (E-W) | L    | 23              | 0     | 23              | 0     | 23              | 0     | 23              | 0     | 23              | 0     | 23              | 0     |
|  |                    |      | 24              | 0     | 24              | 0     | 24              | 0     | 24              | 0     | 24              | 0     | 24              | 0     |
|  |                    |      | 25              | 0     | 25              | 0     | 25              | 0     | 25              | 0     | 25              | 0     | 25              | 0     |
|  | US Route 202 (E-W) | R    | 26              | 0     | 26              | 0     | 26              | 0     | 26              | 0     | 26              | 0     | 26              | 0     |
|  |                    |      | 27              | 0     | 27              | 0     | 27              | 0     | 27              | 0     | 27              | 0     | 27              | 0     |
|  |                    |      | 28              | 0     | 28              | 0     | 28              | 0     | 28              | 0     | 28              | 0     | 28              | 0     |
|  | US Route 202 (E-W) | L    | 29              | 0     | 29              | 0     | 29              | 0     | 29              | 0     | 29              | 0     | 29              | 0     |
|  |                    |      | 30              | 0     | 30              | 0     | 30              | 0     | 30              | 0     | 30              | 0     | 30              | 0     |
|  |                    |      | 31              | 0     | 31              | 0     | 31              | 0     | 31              | 0     | 31              | 0     | 31              | 0     |
|  | US Route 202 (E-W) | R    | 32              | 0     | 32              | 0     | 32              | 0     | 32              | 0     | 32              | 0     | 32              | 0     |
|  |                    |      | 33              | 0     | 33              | 0     | 33              | 0     | 33              | 0     | 33              | 0     | 33              | 0     |
|  |                    |      | 34              | 0     | 34              | 0     | 34              | 0     | 34              | 0     | 34              | 0     | 34              | 0     |
| 3. US Route 202 (E-W) at<br>Clinton St (N-S)<br>Signalized | US Route 202 (E-W) | L    | 35              | 0     | 35              | 0     | 35              | 0     | 35              | 0     | 35              | 0     | 35              | 0     |
|  |                    |      | 36              | 0     | 36              | 0     | 36              | 0     | 36              | 0     | 36              | 0     | 36              | 0     |
|  |                    |      | 37              | 0     | 37              | 0     | 37              | 0     | 37              | 0     | 37              | 0     | 37              | 0     |
|  | US Route 202 (E-W) | R    | 38              | 0     | 38              | 0     | 38              | 0     | 38              | 0     | 38              | 0     | 38              | 0     |
|  |                    |      | 39              | 0     | 39              | 0     | 39              | 0     | 39              | 0     | 39              | 0     | 39              | 0     |
|  |                    |      | 40              | 0     | 40              | 0     | 40              | 0     | 40              | 0     | 40              | 0     | 40              | 0     |
|  | US Route 202 (E-W) | L    | 41              | 0     | 41              | 0     | 41              | 0     | 41              | 0     | 41              | 0     | 41              | 0     |
|  |                    |      | 42              | 0     | 42              | 0     | 42              | 0     | 42              | 0     | 42              | 0     | 42              | 0     |
|  |                    |      | 43              | 0     | 43              | 0     | 43              | 0     | 43              | 0     | 43              | 0     | 43              | 0     |
|  | US Route 202 (E-W) | R    | 44              | 0     | 44              | 0     | 44              | 0     | 44              | 0     | 44              | 0     | 44              | 0     |
|  |                    |      | 45              | 0     | 45              | 0     | 45              | 0     | 45              | 0     | 45              | 0     | 45              | 0     |
|  |                    |      | 46              | 0     | 46              | 0     | 46              | 0     | 46              | 0     | 46              | 0     | 46              | 0     |

1. Queue and delay values are reported for 5-min traffic cycles. 2. Values are reported for 5-min traffic cycles. 3. Values are reported for 5-min traffic cycles.

### Long-Term Improvement Cost Estimates

Planning level cost estimates were developed for the long-term improvements listed above. The estimates include engineering, construction, right-of-way, utilities, traffic signal work, and contingency fees. Given the extended timeline for construction, the estimates are inflated to 2026 dollars. The planning level estimates are summarized below:

- Option A: \$13.3 to \$16.1 million in 2026 dollars;
- Option B: \$13.3 to \$16.6 million in 2026 dollars; and
- Option C: \$19.6 to \$23.7 million in 2026 dollars.

Detailed cost estimates are included in Appendix I.

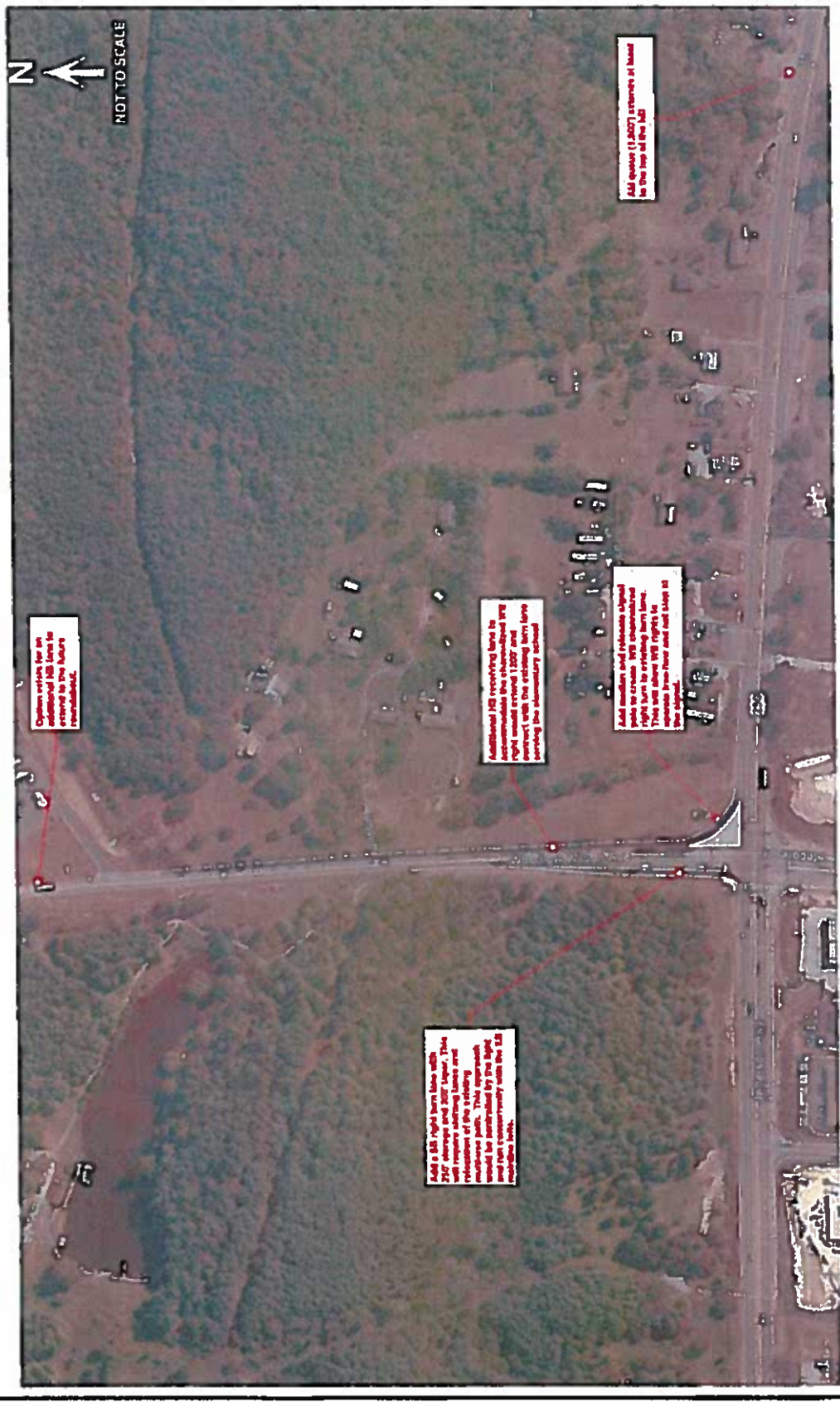


Figure 1

Woodrow Wilson Small Area Study  
Proposed Short-Term Improvements – Wide View

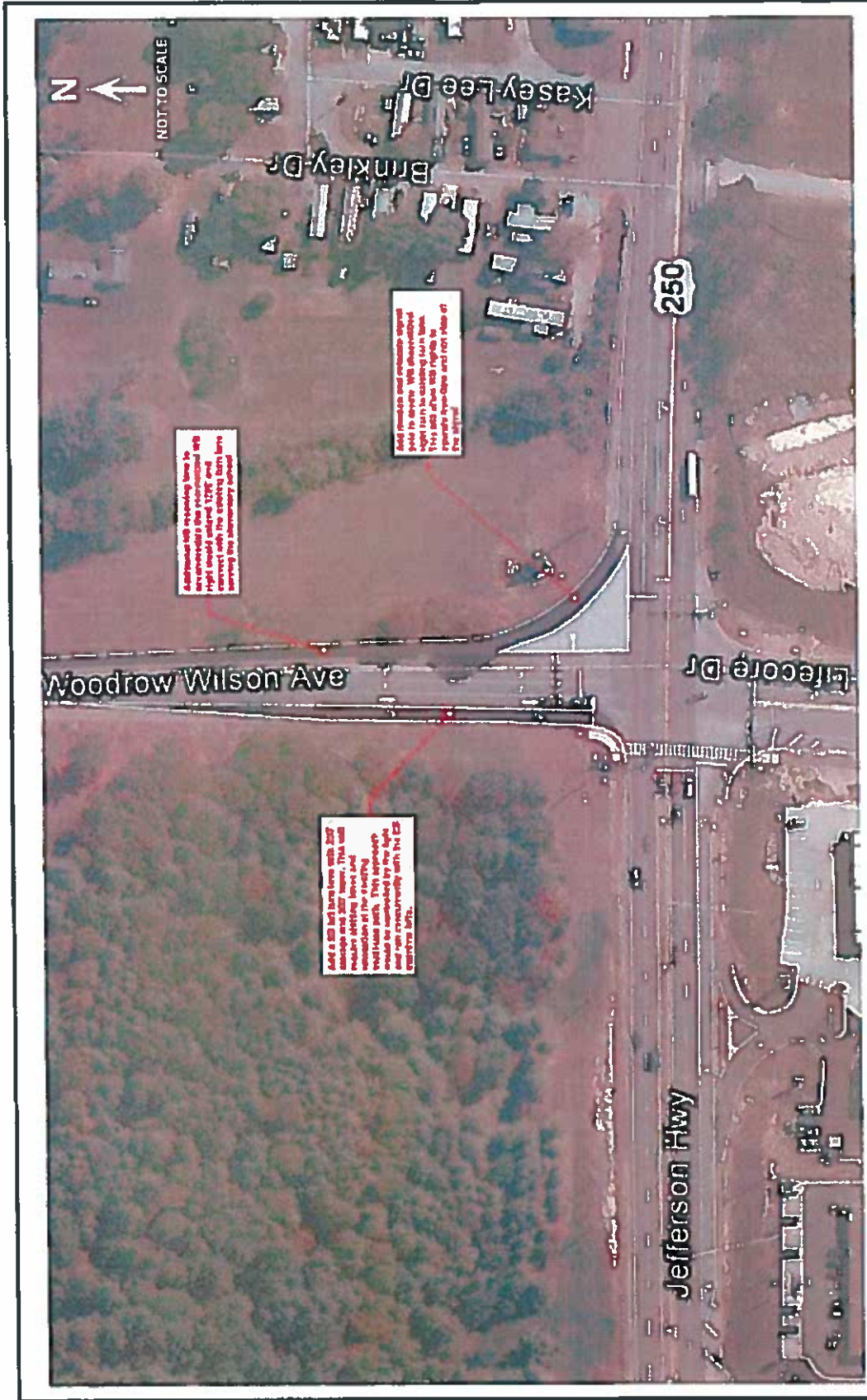


Figure 2

Woodrow Wilson Small Area Study  
Proposed Short-Term Improvements – Close View



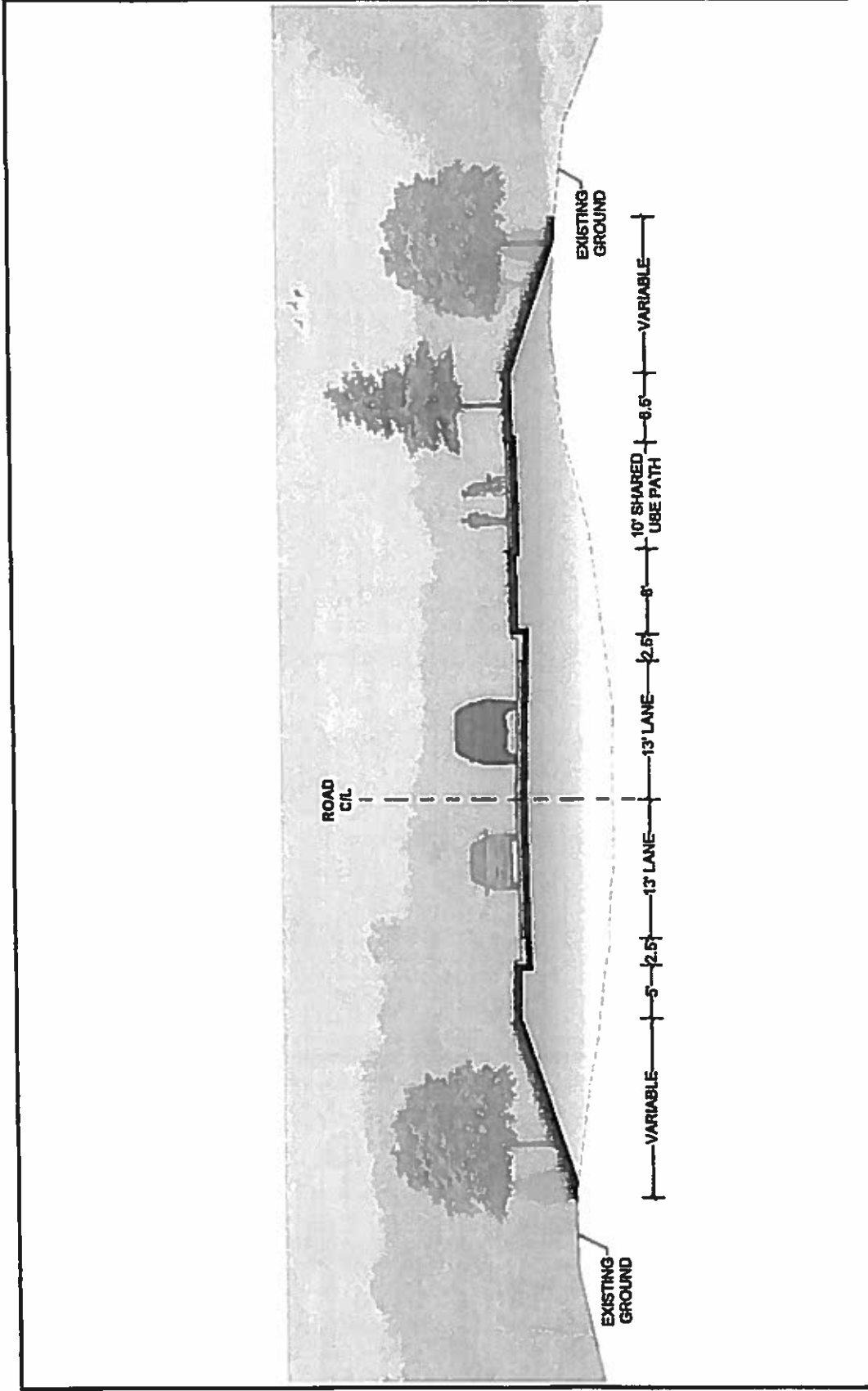


Figure  
3

Woodrow Wilson Small Area Study  
Proposed Long-Term Improvements –  
Curb & Gutter Typical Section



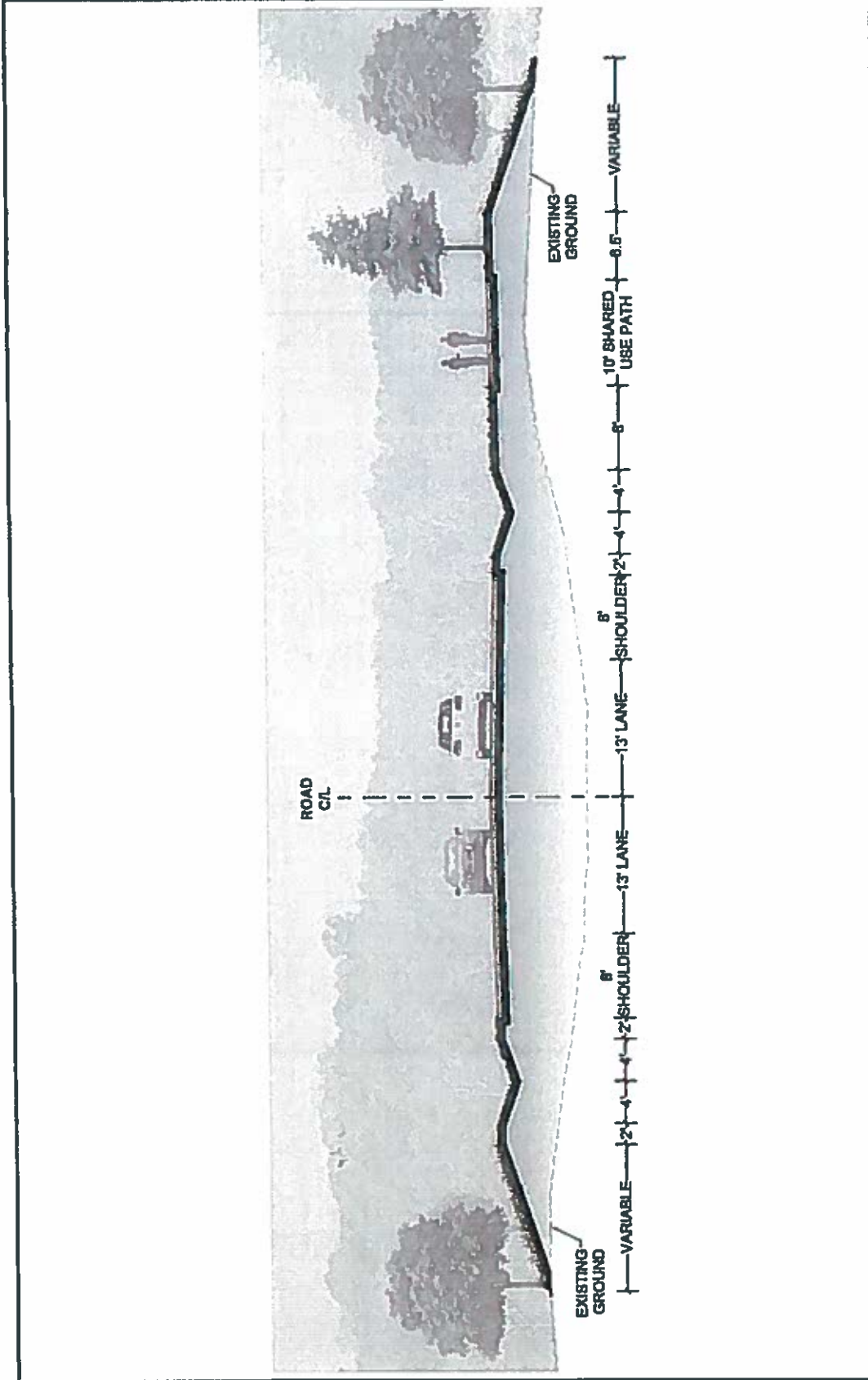


Figure  
4

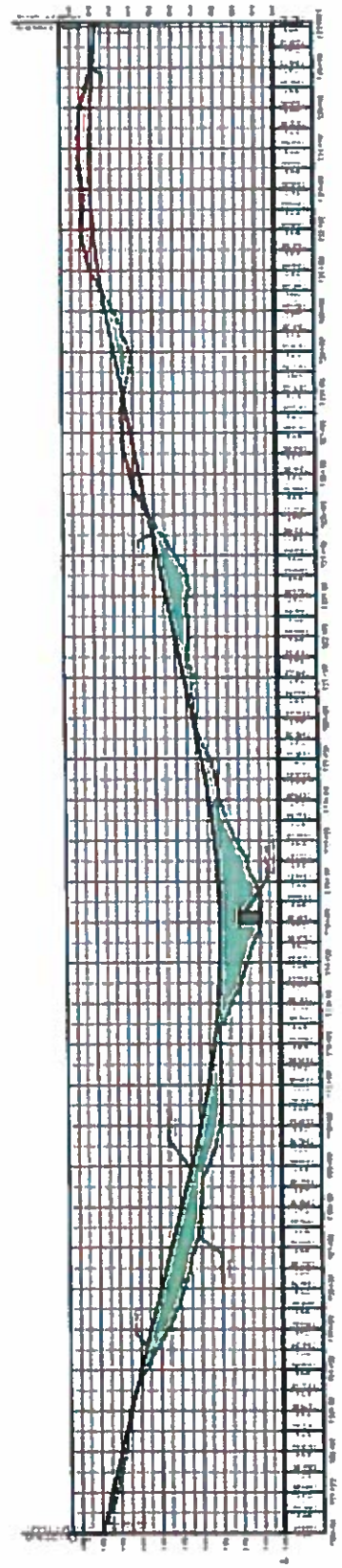
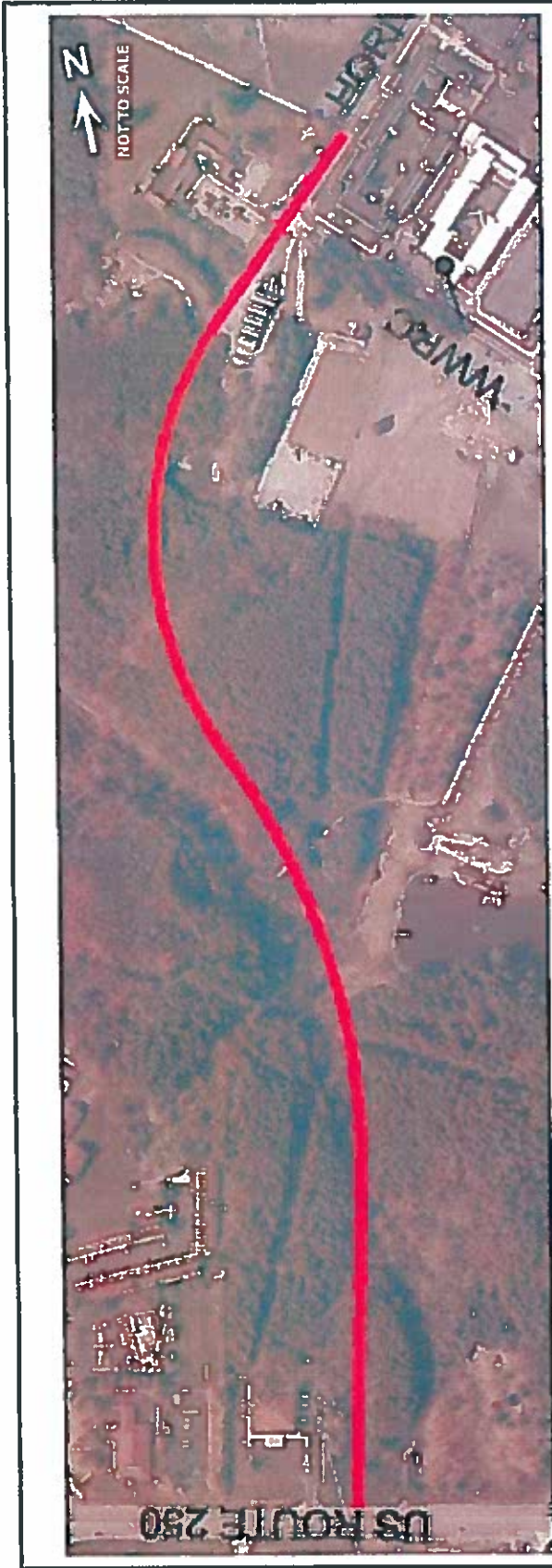
Woodrow Wilson Small Area Study  
Proposed Long-Term Improvements –  
Ditch Typical Section


**TIMMONS GROUP**  
YOUR VISION ACHIEVED THROUGH OURS.



Figure  
5

Woodrow Wilson Small Area Study  
Proposed Long-Term Improvements –  
Potential Alignments




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Woodrow Wilson Small Area Study  
 Proposed Long-Term Improvements – Option A

Figure  
 6

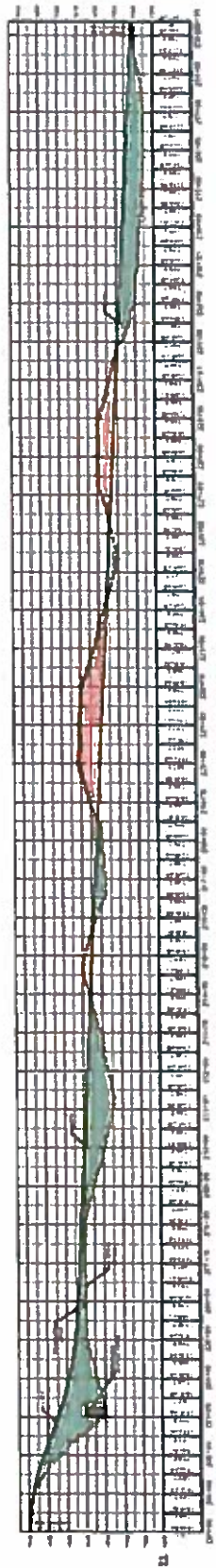
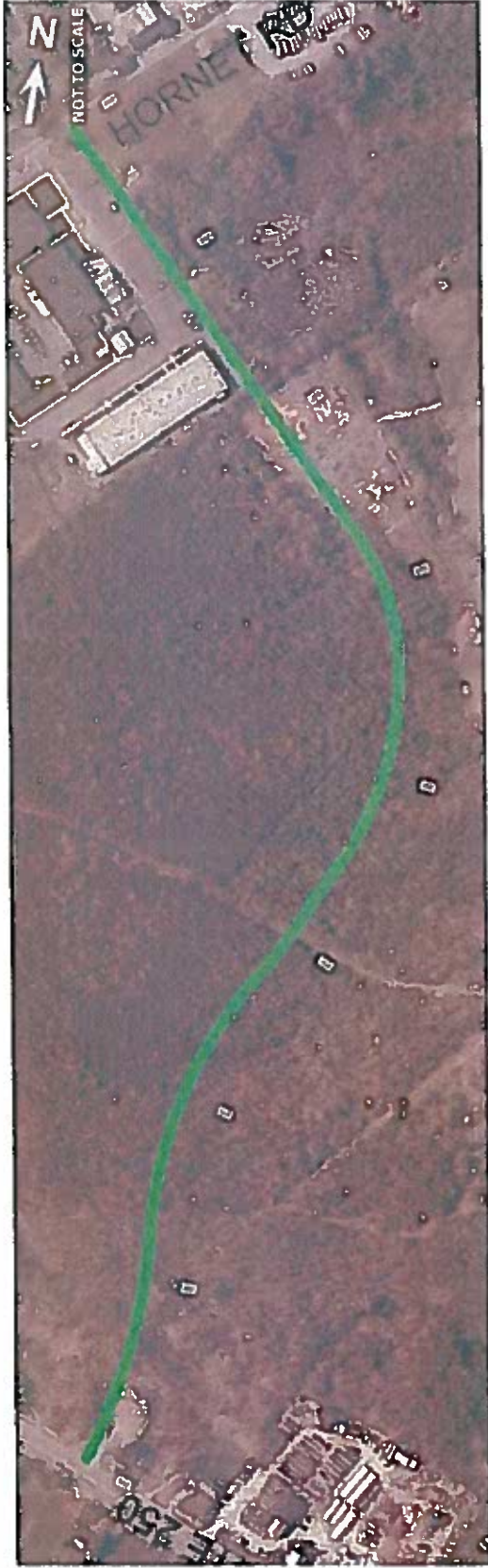


Figure  
7

Woodrow Wilson Small Area Study  
Proposed Long-Term Improvements – Option B

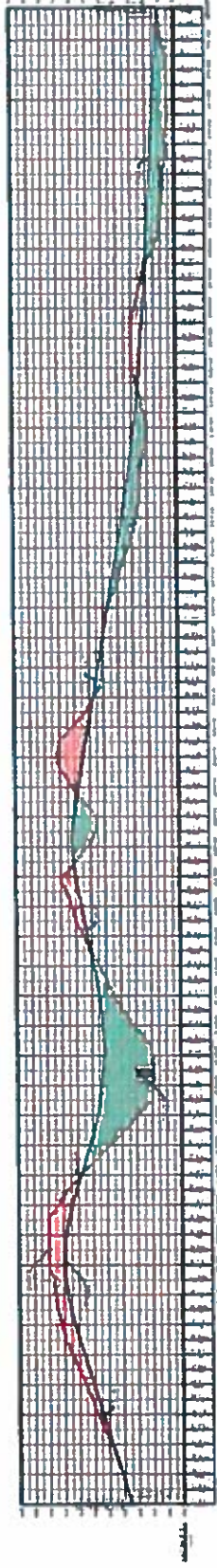


Figure 8

Woodrow Wilson Small Area Study  
Proposed Long-Term Improvements – Option C



**PROJECT BUDGET: SHORT TERM IMPROVEMENTS  
 PROPOSED PUBLIC ROAD CONSTRUCTION  
 WESTBOUND FREE-FLOW RIGHT TURN LANE FROM US ROUTE 250  
 TO WOODROW WILSON AVENUE  
 OPTION 1: END RECEIVING LANE AT EXISTING SCHOOL TURN LANE  
 1/26/2018  
 WESTBOUND RIGHT TURN LANE ON US ROUTE 250**

|   | LOW          | HIGH         |
|---|--------------|--------------|
| 400' of Turn Lane Improvements (Pavement) at \$425/LF                 | \$ 170,000   | \$ 170,000   |
| Traffic Signal Pole Relocation  | \$ 100,000   | \$ 100,000   |
| <b>Construction Total A:</b>  | \$ 270,000   | \$ 270,000   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)             | \$ 94,500    | \$ 175,500   |
| 25% Contingency and PE Fee  | \$ 67,500    | \$ 67,500    |
| <b>Sub-Total A:</b>   | \$ 432,000   | \$ 513,000   |
| <b>ADDITIONAL RECEIVING LANE ON WOODROW WILSON TO SCHOOL ENTRANCE</b> |              |              |
| 1,200' of Additional Lane (Pavement) at \$400/LF                      | \$ 480,000   | \$ 480,000   |
| <b>Construction Total B:</b>  | \$ 480,000   | \$ 480,000   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)             | \$ 168,000   | \$ 312,000   |
| 25% Contingency and PE Fee  | \$ 120,000   | \$ 120,000   |
| <b>Sub-Total B:</b>   | \$ 768,000   | \$ 912,000   |
| <b>SOUTHBOUND RIGHT TURN LANE ON WOODROW WILSON AVE</b>               |              |              |
| 450' of Turn Lane Improvements (Pavement) at \$425/LF                 | \$ 191,250   | \$ 191,250   |
| Pedestrian Pole Relocation  | \$ 15,000    | \$ 15,000    |
| 500' of Multi-Use Path Relocation at \$45/LF                          | \$ 22,500    | \$ 22,500    |
| <b>Construction Total C:</b>  | \$ 228,750   | \$ 228,750   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)             | \$ 80,063    | \$ 148,688   |
| 25% Contingency and PE Fee  | \$ 57,188    | \$ 57,188    |
| <b>Sub-Total C:</b>   | \$ 366,001   | \$ 434,626   |
| <b>Total Bid Items A + B + C Rounded (2018 Dollars):</b>              | \$ 1,566,000 | \$ 1,859,600 |
| <b>Total Bid Items A + B + C Rounded (2026 Dollars):</b>              | \$ 1,983,800 | \$ 2,355,700 |

\* The total construction dollars above only includes items listed under the associated detailed breakdown

\* Low vs High cost estimates reflect variance in ROW and Utilities only.

**PROJECT BUDGET: SHORT TERM IMPROVEMENTS  
 PROPOSED PUBLIC ROAD CONSTRUCTION  
 WESTBOUND FREE-FLOW RIGHT TURN LANE FROM US ROUTE 250  
 TO WOODROW WILSON AVENUE  
 OPTION 2: END RECEIVING LANE AT ROUNDABOUT  
 1/26/2018  
 WESTBOUND RIGHT TURN LANE ON US ROUTE 250**

|  | LOW          | HIGH         |
|--|--------------|--------------|
| 400' of Turn Lane Improvements (Pavement) at \$425/LF            | \$ 170,000   | \$ 170,000   |
| Traffic Signal Pole Relocation                                   | \$ 100,000   | \$ 100,000   |
| <b>Construction Total A:</b>                                     | \$ 270,000   | \$ 270,000   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)        | \$ 94,500    | \$ 175,500   |
| 25% Contingency and PE Fee                                       | \$ 67,500    | \$ 67,500    |
| <b>Sub-Total A:</b>  | \$ 432,000   | \$ 513,000   |
| <b>ADDITIONAL RECEIVING LANE ON WOODROW WILSON TO ROUNDABOUT</b> |              |              |
| 2,000' of Additional Lane (Pavement) at \$400/LF                 | \$ 800,000   | \$ 800,000   |
| <b>Construction Total B:</b>                                     | \$ 800,000   | \$ 800,000   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)        | \$ 280,000   | \$ 520,000   |
| 25% Contingency and PE Fee                                       | \$ 200,000   | \$ 200,000   |
| <b>Sub-Total B:</b>  | \$ 1,280,000 | \$ 1,520,000 |
| <b>SOUTHBOUND RIGHT TURN LANE ON WOODROW WILSON AVE</b>          |              |              |
| 450' of Turn Lane Improvements (Pavement) at \$425/LF            | \$ 191,250   | \$ 191,250   |
| Pedestrian Pole Relocation                                       | \$ 15,000    | \$ 15,000    |
| 500' of Multi-Use Path Relocation at \$45/LF                     | \$ 22,500    | \$ 22,500    |
| <b>Construction Total C:</b>                                     | \$ 228,750   | \$ 228,750   |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)        | \$ 80,063    | \$ 148,688   |
| 25% Contingency and PE Fee                                       | \$ 57,188    | \$ 57,188    |
| <b>Sub-Total C:</b>  | \$ 366,001   | \$ 434,626   |
| <b>Total Bid Items A + B + C Rounded (2018 Dollars):</b>         | \$ 2,078,000 | \$ 2,467,600 |
| <b>Total Bid Items A + B + C Rounded (2026 Dollars):</b>         | \$ 2,632,300 | \$ 3,125,900 |

\* The total construction dollars above only includes items listed under the associated detailed breakdown

\* Low vs High cost estimates reflect variance in ROW and Utilities only.

**PROJECT BUDGET: OPTION A  
 PROPOSED PUBLIC ROAD CONSTRUCTION  
 ROUTE 250 (JEFFERSON HWY) TO SITE (APPROX. 3,700 LF)  
 1/26/2018**

**CONSTRUCTION COSTS**

|   | <b>LOW</b>          | <b>HIGH</b>         |
|---|---------------------|---------------------|
| Pavement Demolition and Resurfacing, Saw Cut, and Earthwork | \$ 2,792,690        | \$ 2,792,690        |
| Storm Sewer and Hydraulics                                  | \$ 1,305,600        | \$ 1,305,600        |
| Pavement and Stone  | \$ 874,000          | \$ 874,000          |
| Curb, Pavement Markings, Misc.                              | \$ 247,100          | \$ 247,100          |
| Retaining Wall  | \$ 112,500          | \$ 112,500          |
| Maintenance of Traffic                                      | \$ 30,000           | \$ 30,000           |
| Erosion and Sediment Control / Seeding                      | \$ 120,000          | \$ 120,000          |
| Traffic Signal  | \$ 350,000          | \$ 350,000          |
| <b>Sub-Total A:</b>   | <b>\$ 5,831,890</b> | <b>\$ 5,831,890</b> |

**OTHER CONSTRUCTION BID COSTS**

|  |                      |                      |
|--|----------------------|----------------------|
| Mobilization for Sub-Total A (Calculated per VDOT formulas)  | \$ 321,595           | \$ 321,595           |
| Materials Testing  | \$ 116,638           | \$ 116,638           |
| Construction Staking / Surveying (2%)                        | \$ 116,638           | \$ 116,638           |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)    | \$ 2,041,162         | \$ 3,790,729         |
| <b>Sub-Total B:</b>  | <b>\$ 2,596,032</b>  | <b>\$ 4,345,599</b>  |
| <b>Total Bid Items (A + B):</b>                              | <b>\$ 8,427,922</b>  | <b>\$ 10,177,489</b> |
| Contingency for Construction and PE (25% of Total Bid Items) | \$ 2,106,980         | \$ 2,544,372         |
| <b>Sub-Total C (Total Bid Items + Contingency):</b>          | <b>\$ 10,534,902</b> | <b>\$ 12,721,861</b> |

|  |                      |                      |
|--|----------------------|----------------------|
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2018 dollars:</b> | <b>\$ 10,534,900</b> | <b>\$ 12,721,900</b> |
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2026 dollars:</b> | <b>\$ 13,345,300</b> | <b>\$ 16,115,700</b> |

\*Inflation 3% compounded annually for 8 years (3%) to get from 2018 to 2026

\* The total construction dollars above only includes items listed under the associated detailed breakdown

**PROJECT BUDGET: OPTION B  
PROPOSED PUBLIC ROAD CONSTRUCTION  
ROUTE 250 (JEFFERSON HWY) TO SITE (APPROX. 3,900 LF)  
1/26/2018**

| <b>CONSTRUCTION COSTS</b>                                    |                         |                         |
|--|-------------------------|-------------------------|
|  | <b>LOW</b>              | <b>HIGH</b>             |
| Pavement Demolition and Resurfacing, Saw Cut, and Earthwork  | \$ 2,880,940            | \$ 2,880,940            |
| Storm Sewer and Hydraulics                                   | \$ 1,348,275            | \$ 1,348,275            |
| Pavement and Stone   | \$ 896,100              | \$ 896,100              |
| Curb, Pavement Markings, Misc.                               | \$ 252,500              | \$ 252,500              |
| Retaining Wall   | \$ 112,500              | \$ 112,500              |
| Maintenance of Traffic                                       | \$ 30,000               | \$ 30,000               |
| Erosion and Sediment Control / Seeding                       | \$ 150,000              | \$ 150,000              |
| Traffic Signal   | \$ 350,000              | \$ 350,000              |
| <b>Sub-Total A:</b>  | <b>\$ 6,020,315</b>     | <b>\$ 6,020,315</b>     |
| <b>OTHER CONSTRUCTION BID COSTS</b>                          |                         |                         |
| Mobilization for Sub-Total A (Calculated per VDOT formulas)  | \$ 331,016              | \$ 331,016              |
| Materials Testing  | \$ 120,406              | \$ 120,406              |
| Construction Staking / Surveying (2%)                        | \$ 120,406              | \$ 120,406              |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)    | \$ 2,107,110            | \$ 3,913,205            |
| <b>Sub-Total B:</b>  | <b>\$ 2,678,939</b>     | <b>\$ 4,485,033</b>     |
| <b>Total Bid Items (A + B):</b>                              | <b>\$ 8,699,254</b>     | <b>\$ 10,505,348</b>    |
| Contingency for Construction and PE (25% of Total Bid Items) | \$ 2,174,813            | \$ 2,626,337            |
| <b>Sub-Total C (Total Bid Items + Contingency):</b>          | <b>\$ 10,874,067</b> CN | <b>\$ 13,131,685</b> CN |
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2018 dollars:</b> | <b>\$ 10,874,100</b>    | <b>\$ 13,131,700</b>    |
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2026 dollars:</b> | <b>\$ 13,775,000</b>    | <b>\$ 16,634,800</b>    |

\*Inflation 3% compounded annually for 8 years (3%) to get from 2018 to 2026

\* The total construction dollars above only includes items listed under the associated detailed breakdown

**PROJECT BUDGET: OPTION C  
PROPOSED PUBLIC ROAD CONSTRUCTION  
ROUTE 250 (JEFFERSON HWY) TO SITE (APPROX. 5,000 LF)  
1/26/2018**

**CONSTRUCTION COSTS**

|   | <b>LOW</b>          | <b>HIGH</b>         |
|---|---------------------|---------------------|
| Pavement Demolition and Resurfacing, Saw Cut, and Earthwork | \$ 5,216,440        | \$ 5,216,440        |
| Storm Sewer and Hydraulics                                  | \$ 1,543,675        | \$ 1,543,675        |
| Pavement and Stone  | \$ 1,131,900        | \$ 1,131,900        |
| Curb, Pavement Markings, Misc.                              | \$ 328,100          | \$ 328,100          |
| Retaining Wall  | \$ 50,000           | \$ 50,000           |
| Maintenance of Traffic                                      | \$ 75,000           | \$ 75,000           |
| Erosion and Sediment Control / Seeding                      | \$ 200,000          | \$ 200,000          |
| Traffic Signal  | \$ 50,000           | \$ 50,000           |
| <b>Sub-Total A:</b>   | <b>\$ 8,595,115</b> | <b>\$ 8,595,115</b> |

**OTHER CONSTRUCTION BID COSTS**

|  |                      |                      |
|--|----------------------|----------------------|
| Mobilization for Sub-Total A (Calculated per VDOT formulas)  | \$ 459,756           | \$ 459,756           |
| Materials Testing  | \$ 171,902           | \$ 171,902           |
| Construction Staking / Surveying (2%)                        | \$ 171,902           | \$ 171,902           |
| Right of Way and Utilities (35% to 65% Per VDOT formulas)    | \$ 3,008,290         | \$ 5,586,825         |
| <b>Sub-Total B:</b>  | <b>\$ 3,811,851</b>  | <b>\$ 6,390,385</b>  |
| <b>Total Bid Items (A + B):</b>                              | <b>\$ 12,406,966</b> | <b>\$ 14,985,500</b> |
| Contingency for Construction and PE (25% of Total Bid Items) | \$ 3,101,741         | \$ 3,746,375         |
| <b>Sub-Total C (Total Bid Items + Contingency):</b>          | <b>\$ 15,508,707</b> | <b>\$ 18,731,875</b> |

|  |                      |                      |
|--|----------------------|----------------------|
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2018 dollars:</b> | <b>\$ 15,508,700</b> | <b>\$ 18,731,900</b> |
| <b>TOTAL PROJECT BUDGET ( C ) (ROUNDED) in 2026 dollars:</b> | <b>\$ 19,646,000</b> | <b>\$ 23,729,000</b> |

\*Inflation 3% compounded annually for 8 years (3%) to get from 2018 to 2026

\* The total construction dollars above only includes items listed under the associated detailed breakdown

**PROJECT BUDGET - DETAILED BREAKDOWN FOR OPTION A  
PROPOSED PUBLIC ROAD CONSTRUCTION  
ROUTE 250 (JEFFERSON HWY) TO SITE (APPROX. 3,700 LF)**

| ENGINEER'S OPINION OF PROBABLE COSTS                                       |           |  |          |      |               |                 |
|--|-----------|--|----------|------|---------------|-----------------|
| Item Code  | Spec. No. | Description  | Quantity | Unit | Unit Price    | Total           |
| <b>Pavement Demolition and Resurfacing, Saw Cut, and Earthwork</b>         |           |  |          |      |               |                 |
| 00110  | 301       | Clearing and Grubbing and Site Preparation         | 8        | AC   | \$ 10,000.00  | \$ 80,000.00    |
| 10628  | 313       | Flexible Pavement Paving 10" - 3" and variable)    | 670      | SY   | \$ 7.00       | \$ 4,690.00     |
| 24430  | 508       | Demolition of Pavement (Flexible)                  | 600      | SY   | \$ 10.00      | \$ 6,000.00     |
| 24420  | 508       | Demolition of Pavement (Rigid)                     |          | SY   | \$ 25.00      | \$ -            |
| N/A  | 508       | Building Demolition                                |          | LS   | \$ 100,000.00 | \$ -            |
| 51910  | 313       | Saw Cut Existing Pavement                          |          | LF   | \$ 5.00       | \$ -            |
|  | 303       | H Undercut Excavation                              | 3000     | CY   | \$ 19.00      | \$ 57,000.00    |
|  | 303       | H Undercut Excavation Backfill                     | 3000     | CY   | \$ 20.00      | \$ 60,000.00    |
|  | 303       | Rock Excavation                                    | 3000     | CY   | \$ 100.00     | \$ 300,000.00   |
|  | 303       | Excess Excavation                                  | 19000    | CY   | \$ 15.00      | \$ 285,000.00   |
| 00120  | 303       | Regular Excavation                                 | 26000    | CY   | \$ 13.00      | \$ 338,000.00   |
| 00140  | 303       | Borrow Excavation                                  | 84000    | CY   | \$ 20.00      | \$ 1,680,000.00 |
| Sub-Total for Pavement Demolition and Resurfacing, Saw Cut, and Earthwork: |           |  |          |      |               | \$ 2,792,698.00 |
| <b>Storm Sewer and Hydraulics</b>  |           |  |          |      |               |                 |
| 01166  | 302       | 18" Reinforced Concrete Pipe                       | 950      | LF   | \$ 100.00     | \$ 95,000.00    |
| 01246  | 302       | 24" Reinforced Concrete Pipe                       | 1800     | LF   | \$ 115.00     | \$ 207,000.00   |
| 01306  | 302       | 30" Reinforced Concrete Pipe                       | 950      | LF   | \$ 125.00     | \$ 118,750.00   |
| 06815  | 302       | Drop Inlet DI-3A                                   | 4        | EA   | \$ 4,000.00   | \$ 16,000.00    |
| 06819  | 302       | Drop Inlet DI-3B, L = 6'                           | 15       | EA   | \$ 4,750.00   | \$ 71,250.00    |
| 06819  | 302       | Drop Inlet DI-3B, L = 8'                           | 15       | EA   | \$ 5,000.00   | \$ 75,000.00    |
| 06815  | 302       | Drop Inlet DI-3C, L = 6'                           | 1        | EA   | \$ 5,000.00   | \$ 5,000.00     |
| 06816  | 302       | Drop Inlet DI-3C, L = 8'                           | 1        | EA   | \$ 5,200.00   | \$ 5,200.00     |
| N/A  | N/A       | Major Structure (Triple Box Culvert)               | 1        | LS   | \$ 150,000.00 | \$ 150,000.00   |
| N/A  | N/A       | SWM Basin  | 1        | LS   | \$ 300,000.00 | \$ 300,000.00   |
| 00588  | 501       | Underdrain UD-4                                    | 7800     | LF   | \$ 8.00       | \$ 62,400.00    |
| 00596  | 303       | Endwall EW-12                                      |          | EA   | \$ 475.00     | \$ -            |
| Sub-Total for Storm Sewer and Hydraulics:                                  |           |  |          |      |               | \$ 1,305,880.00 |
| <b>Pavement and Slope</b>  |           |  |          |      |               |                 |
| 10607  | 211.315   | Asphalt Concrete Type SM-12.5A                     | 1790     | TDW  | \$ 125.00     | \$ 223,750.00   |
|  |           | New Pavement                                       | 1260     | TDW  |               |                 |
|  |           | New Shared Use Path                                | 470      | TDW  |               |                 |
|  |           | Overlay  | 60       | TDW  |               |                 |
| 10613  | 211.315   | Asphalt Concrete Type 1M-15.00                     | 1260     | TDW  | \$ 115.00     | \$ 144,900.00   |
| 10643  | 211.315   | Asphalt Concrete Type 8M-25.8A                     | 2510     | TDW  | \$ 183.00     | \$ 459,330.00   |
| 10126  | 208.109   | Aggregate Base Material Type L, No. 21B            | 8068     | TDW  | \$ 30.00      | \$ 242,040.00   |
|  |           | New Pavement                                       | 5850     | TDW  |               |                 |
|  |           | New Shared Use Path                                | 1610     | TDW  |               |                 |
|  |           | Underdrain   | 600      | TDW  |               |                 |
| Sub-Total for Pavement and Slope:  |           |  |          |      |               | \$ 874,890.00   |
| <b>Curb, Pavement Markings, Misc.</b>                                      |           |  |          |      |               |                 |
| 12600  | 502       | Std. Combination Curb and Gutter CG-6              | 7600     | LF   | \$ 25.00      | \$ 190,000.00   |
|  |           | Permanent Signage                                  | 1        | LS   | \$ 5,000.00   | \$ 5,000.00     |
| 54032  | 246       | Type B Class I Pavement Line Marking 4"            | 7500     | LF   | \$ 2.00       | \$ 15,000.00    |
| 54034  | 246       | Type B Class I Pavement Line Marking 6"            |          | LF   | \$ 3.00       | \$ -            |
| 54036  | 246       | Type B Class I Pavement Line Marking 8"            |          | LF   | \$ 4.00       | \$ -            |
| 54042  | 246       | Type B Class I Pavement Line Marking 24"           | 100      | LF   | \$ 15.00      | \$ 1,500.00     |
| N/A  | N/A       | H5 Yield Markings (Dashed Teeth)                   |          | LF   | \$ 15.00      | \$ -            |
| 54300  | 246       | Pavement Message Marking Elongated Arrow Single    | 4        | EA   | \$ 300.00     | \$ 1,200.00     |
| 54310  | 246       | Pavement Message Marking Elongated Arrow Double    | 4        | EA   | \$ 400.00     | \$ 1,600.00     |
| 12323  | 221.505   | Guardrail CR-RMG11                                 | 500      | LF   | \$ 30.00      | \$ 15,000.00    |
| N/A  | N/A       | Guardrail Terminal CR-RMG12                        | 4        | EA   | \$ 3,500.00   | \$ 14,000.00    |
| N/A  | N/A       | H1 Guardrail Terminal Site Preparation Minor       | 4        | EA   | \$ 750.00     | \$ 3,000.00     |
| 12345  | 221.505   | Aggregate Base Material Type L or H No. 21A or 21B | 70       | TDW  | \$ 30.00      | \$ 2,100.00     |
| Sub-Total for Curb, Pavement Markings, Misc.:                              |           |  |          |      |               | \$ 247,180.00   |
| <b>Retaining Wall</b>  |           |  |          |      |               |                 |
| 13310  | RW-3      | Retaining Wall & Excavation                        | 225      | CY   | \$ 500.00     | \$ 112,500.00   |
| Sub-Total for Retaining Wall:  |           |  |          |      |               | \$ 112,500.00   |
| <b>Maintenance of Traffic</b>  |           |  |          |      |               |                 |
| N/A  | N/A       | MOT Lump Sum                                       | 1        | LS   | \$ 30,000.00  | \$ 30,000.00    |
| Sub-Total for Maintenance of Traffic:                                      |           |  |          |      |               | \$ 30,000.00    |
| <b>Erosion and Sediment Control / Seeding</b>                              |           |  |          |      |               |                 |
| N/A  | N/A       | ES Lump Sum  | 3        | LS   | \$ 120,000.00 | \$ 360,000.00   |
| Sub-Total for Erosion and Sediment Control / Seeding:                      |           |  |          |      |               | \$ 360,000.00   |
| <b>Traffic Signal</b>  |           |  |          |      |               |                 |
| N/A  | N/A       | Traffic Signal Lump Sum                            | 1        | LS   | \$ 350,000.00 | \$ 350,000.00   |
| Sub-Total for Traffic Signal:  |           |  |          |      |               | \$ 350,000.00   |

**PROJECT BUDGET - DETAILED BREAKDOWN FOR OPTION B  
#REF!  
#REF!**

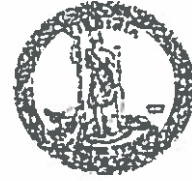
| ENGINEER'S OPINION OF PROBABLE COSTS                                       |           |  |          |      |               |                 |
|--|-----------|--|----------|------|---------------|-----------------|
| Item Code  | Spec. No. | Description  | Quantity | Unit | Unit Price    | Total           |
| <b>Pavement Demolition and Resurfacing, Saw Cut, and Earthwork</b>         |           |  |          |      |               |                 |
| 00110  | 301       | Clearing and Grubbing and Site Preparation         | 8        | AC   | \$ 10,000.00  | \$ 80,000.00    |
| 10618  | 515       | Flexible Pavement Planing (2" - 3" and variable)   | 670      | SY   | \$ 7.00       | \$ 4,690.00     |
| 24430  | 508       | Demolition of Pavement (Flexible)                  | 25       | SY   | \$ 10.00      | \$ 250.00       |
| 24420  | 508       | Demolition of Pavement (Rigid)                     |          | SY   | \$ 25.00      | \$              |
| N/A  | 508       | Building Demolition                                |          | LS   | \$ 100,000.00 | \$              |
| 51910  | 315       | Saw Cut Existing Pavement                          |          | LF   | \$ 9.00       | \$              |
|  | 303       | HS Undercut Excavation                             | 3000     | CY   | \$ 13.00      | \$ 39,000.00    |
|  | 303       | HS Undercut Excavation Backfill                    | 3000     | CY   | \$ 20.00      | \$ 60,000.00    |
|  | 303       | Rock Excavation                                    | 3000     | CY   | \$ 100.00     | \$ 300,000.00   |
|  | 303       | Excess Excavation                                  | 19000    | CY   | \$ 13.00      | \$ 247,000.00   |
| 00120  | 303       | Regular Excavation                                 | 24000    | CY   | \$ 13.00      | \$ 312,000.00   |
| 00140  | 303       | Borrow Excavation                                  | 90000    | CY   | \$ 20.00      | \$ 1,800,000.00 |
| Sub-Total for Pavement Demolition and Resurfacing, Saw Cut, and Earthwork: |           |  |          |      |               | \$ 2,888,940.00 |
| <b>Storm Sewer and Hydraulics</b>  |           |  |          |      |               |                 |
| 01186  | 302       | 18" Reinforced Concrete Pipe                       | 975      | LF   | \$ 9.00       | \$ 8,775.00     |
| 01246  | 302       | 24" Reinforced Concrete Pipe                       | 1850     | LF   | \$ 113.00     | \$ 208,850.00   |
| 01306  | 302       | 30" Reinforced Concrete Pipe                       | 975      | LF   | \$ 113.00     | \$ 110,175.00   |
| 06415  | 302       | Drop Inlet DI-1A                                   | 4        | EA   | \$ 4,000.00   | \$ 16,000.00    |
| 06419  | 302       | Drop Inlet DI-3B, L = 6'                           | 17       | EA   | \$ 4,750.00   | \$ 80,750.00    |
| 06419  | 302       | Drop Inlet DI-3B, L = 8'                           | 17       | EA   | \$ 5,000.00   | \$ 85,000.00    |
| 06433  | 302       | Drop Inlet DI-3C, L = 6'                           | 2        | EA   | \$ 9,000.00   | \$ 18,000.00    |
| 06436  | 302       | Drop Inlet DI-3C, L = 8'                           | 2        | EA   | \$ 5,200.00   | \$ 10,400.00    |
| N/A  | N/A       | Manhole Structure (Triple Box Culvert)             | 1        | LS   | \$ 150,000.00 | \$ 150,000.00   |
| N/A  | N/A       | SWM Basins   | 1        | LS   | \$ 300,000.00 | \$ 300,000.00   |
| 00588  | 501       | Underdrain UD-4                                    | 8000     | LF   | \$ 8.00       | \$ 64,000.00    |
| 00596  | 302       | Endwall EW-12                                      |          | EA   | \$ 475.00     | \$              |
| Sub-Total for Storm Sewer and Hydraulics:                                  |           |  |          |      |               | \$ 1,348,275.00 |
| <b>Pavement and Stone</b>  |           |  |          |      |               |                 |
| 10607  | 211.315   | Asphalt Concrete Type SM-12 SA                     | 1810     | TDN  | \$ 125.00     | \$ 226,250.00   |
|  |           | New Pavement                                       | 1290     |      |               |                 |
|  |           | New Shared Use Path                                | 480      |      |               |                 |
|  |           | Overlay  | 60       |      |               |                 |
| 10611  | 211.315   | Asphalt Concrete Type BM-19 SD                     | 1290     | TDN  | \$ 113.00     | \$ 145,770.00   |
| 10643  | 211.315   | Asphalt Concrete Type BM-25 SA                     | 2580     | TDN  | \$ 105.00     | \$ 270,900.00   |
| 10128  | 208.309   | Aggregate Base Material Type 1, No. 318            | 8270     | TDN  | \$ 30.00      | \$ 248,100.00   |
|  |           | New Pavement                                       | 6000     | TDN  |               |                 |
|  |           | New Shared Use Path                                | 1850     | TDN  |               |                 |
|  |           | Underdrain   | 620      | TDN  |               |                 |
| Sub-Total for Pavement and Stone:  |           |  |          |      |               | \$ 896,100.00   |
| <b>Curb, Sidewalk, Pavement Markings, Misc.</b>                            |           |  |          |      |               |                 |
| 12600  | 502       | Std. Combination Curb and Gutter CG-6              | 7600     | LF   | \$ 25.00      | \$ 190,000.00   |
|  |           | Permanent Signage                                  | 1        | LS   | \$ 5,000.00   | \$ 5,000.00     |
| 54032  | 246       | Type B Class I Pavement Line Marking 4"            | 7600     | LF   | \$ 2.00       | \$ 15,200.00    |
| 54034  | 246       | Type B Class I Pavement Line Marking 6"            |          | LF   | \$ 3.00       | \$              |
| 54036  | 246       | Type B Class I Pavement Line Marking 8"            |          | LF   | \$ 4.00       | \$              |
| 54042  | 246       | Type B Class I Pavement Line Marking 24"           | 600      | LF   | \$ 15.00      | \$ 9,000.00     |
| N/A  | N/A       | HS Yield Markings (Sharp Tooth)                    |          | LF   | \$ 15.00      | \$              |
| 54300  | 246       | Pavement Message Marking Oblongated Arrow Single   | 4        | EA   | \$ 300.00     | \$ 1,200.00     |
| 54310  | 246       | Pavement Message Marking Oblongated Arrow Double   | 4        | EA   | \$ 400.00     | \$ 1,600.00     |
| 13323  | 221.505   | Guardrail Terminal GR-MGS1                         | 600      | LF   | \$ 30.00      | \$ 18,000.00    |
| N/A  | N/A       | Guardrail Terminal GR-MGS2                         | 4        | EA   | \$ 1,500.00   | \$ 6,000.00     |
| N/A  | N/A       | HS Guardrail Terminal Site Preparation Mngpr       | 4        | EA   | \$ 750.00     | \$ 3,000.00     |
| 13345  | 221.505   | Aggregate Base Material Ty. 1 or II No. 21A or 21B | 20       | TDN  | \$ 30.00      | \$ 600.00       |
| Sub-Total for Curb, Sidewalk, Pavement Markings, Misc.:                    |           |  |          |      |               | \$ 237,500.00   |
| <b>Retaining Wall</b>  |           |  |          |      |               |                 |
| 13530  | RW-3      | Retaining Wall & Excavation                        | 225      | CY   | \$ 500.00     | \$ 112,500.00   |
| Sub-Total for Retaining Wall:  |           |  |          |      |               | \$ 112,500.00   |
| <b>Maintenance of Traffic</b>  |           |  |          |      |               |                 |
| N/A  | N/A       | MOT Lump Sum                                       | 1        | LS   | \$ 30,000.00  | \$ 30,000.00    |
| Sub-Total for Maintenance of Traffic:                                      |           |  |          |      |               | \$ 30,000.00    |
| <b>Erosion and Sediment Control / Seeding</b>                              |           |  |          |      |               |                 |
| N/A  | N/A       | ECS Lump Sum                                       | 1        | LS   | \$ 150,000.00 | \$ 150,000.00   |
| Sub-Total for Erosion and Sediment Control / Seeding:                      |           |  |          |      |               | \$ 150,000.00   |
| <b>Traffic Signal</b>  |           |  |          |      |               |                 |
| N/A  | N/A       | Traffic Signal Lump Sum                            | 1        | LS   | \$ 350,000.00 | \$ 350,000.00   |
| Sub-Total for Traffic Signal:  |           |  |          |      |               | \$ 350,000.00   |

**PROJECT BUDGET - DETAILED BREAKDOWN FOR OPTION C**  
**#REF1**  
**#REF1**

| ENGINEER'S OPINION OF PROBABLE COSTS                                      |           |   |          |      |               |                 |
|---|-----------|---|----------|------|---------------|-----------------|
| Item Code   | Spec. No. | Description                                       | Quantity | Unit | Unit Price    | Total           |
| <b>Pavement Demolition and Resurfacing, Saw Cut, and Earthwork</b>        |           |   |          |      |               |                 |
| 00110   | 301       | Clearing and Grabbing and Site Preparation        | 11       | AC   | \$ 10,000.00  | \$ 110,000.00   |
| 10628   | 515       | Flexible Pavement Planing (0" - 3" and variable)  | 670      | SY   | \$ 7.00       | \$ 4,690.00     |
| 24420   | 508       | Demolition of Pavement (Flexible)                 | 2673     | SY   | \$ 10.00      | \$ 26,730.00    |
| 24420   | 508       | Demolition of Pavement (Rigid)                    |          | SY   | \$ 23.00      | \$ -            |
| N/A   | 508       | Building Demolition                               |          | LS   | \$ 100,000.00 | \$ -            |
| 51910   | 315       | Saw Cut Existing Pavement                         |          | LF   | \$ 3.00       | \$ -            |
|   | 301       | M Undercut Excavation                             | 7500     | CY   | \$ 13.00      | \$ 97,500.00    |
|   | 303       | M Undercut Excavation Backfill                    | 7500     | CY   | \$ 20.00      | \$ 150,000.00   |
|   | 303       | Rock Excavation                                   | 7500     | CY   | \$ 100.00     | \$ 750,000.00   |
|   | 303       | Excavation  | 32000    | CY   | \$ 13.00      | \$ 416,000.00   |
| 00120   | 303       | Regular Excavation                                | 67500    | CY   | \$ 13.00      | \$ 877,500.00   |
| 00140   | 303       | Borrow Excavation                                 | 136000   | CY   | \$ 20.00      | \$ 2,720,000.00 |
| Sub-Total for Pavement Demolition and Resurfacing, Saw Cut, and Earthwork |           |   |          |      |               | \$ 5,216,440.00 |
| <b>Storm Sewer and Hydraulics</b>   |           |   |          |      |               |                 |
| 01186   | 302       | 18" Reinforced Concrete Pipe                      | 1325     | LF   | \$ 100.00     | \$ 132,500.00   |
| 01246   | 302       | 24" Reinforced Concrete Pipe                      | 2500     | LF   | \$ 115.00     | \$ 287,500.00   |
| 01306   | 302       | 30" Reinforced Concrete Pipe                      | 1325     | LF   | \$ 125.00     | \$ 165,625.00   |
| 06815   | 302       | Drop Inlet D1-2A                                  | 4        | EA   | \$ 4,000.00   | \$ 16,000.00    |
| 06818   | 302       | Drop Inlet D1-2B, L = 6'                          | 19       | EA   | \$ 4,750.00   | \$ 90,250.00    |
| 06819   | 302       | Drop Inlet D1-2B, L = 8'                          | 19       | EA   | \$ 5,000.00   | \$ 95,000.00    |
| 06825   | 302       | Drop Inlet D1-2C, L = 6'                          | 2        | EA   | \$ 5,000.00   | \$ 10,000.00    |
| 06826   | 302       | Drop Inlet D1-2C, L = 8'                          | 2        | EA   | \$ 5,200.00   | \$ 10,400.00    |
| N/A   | N/A       | Major Structure (Triple Box Culvert)              | 1        | LS   | \$ 350,000.00 | \$ 350,000.00   |
| N/A   | N/A       | SWM Basins  | 1        | LS   | \$ 300,000.00 | \$ 300,000.00   |
| 00588   | 501       | Underdrain UFD-4                                  | 10800    | LF   | \$ 8.00       | \$ 86,400.00    |
| 00596   | 302       | Endwall EW-12                                     |          | EA   | \$ 475.00     | \$ -            |
| Sub-Total for Storm Sewer and Hydraulics                                  |           |   |          |      |               | \$ 1,543,675.00 |
| <b>Pavement and Stone</b>   |           |   |          |      |               |                 |
| 10607   | 211.315   | Asphalt Concrete Type 3M-12.5A                    | 1210     | TON  | \$ 125.00     | \$ 226,250.00   |
|   |           | New Pavement                                      | 1750     |      |               |                 |
|   |           | New Shared Use Path                               | 650      |      |               |                 |
|   |           | Overlay   | 60       |      |               |                 |
| 10611   | 211.315   | Asphalt Concrete Type 1M-19.00                    | 1750     | TON  | \$ 135.00     | \$ 236,250.00   |
| 10643   | 211.315   | Asphalt Concrete Type 8M-15.0A                    | 3100     | TON  | \$ 105.00     | \$ 325,500.00   |
| 10128   | 203.109   | Aggregate Base Material Type 1, No. 21B           | 11230    | TON  | \$ 30.00      | \$ 336,900.00   |
|   |           | New Pavement                                      | 8150     | TON  |               |                 |
|   |           | New Shared Use Path                               | 2250     | TON  |               |                 |
|   |           | Underdrain  | 830      | TON  |               |                 |
| Sub-Total for Pavement and Stone  |           |   |          |      |               | \$ 1,131,900.00 |
| <b>Curb, Sidewalk, Pavement Markings, Misc.</b>                           |           |   |          |      |               |                 |
| 12600   | 501       | Std. Combination Curb and Gutter CD-4             | 10600    | LF   | \$ 21.00      | \$ 222,600.00   |
|   |           | Permanent Signage                                 | 3        | LS   | \$ 9,000.00   | \$ 27,000.00    |
| 54032   | 246       | Type B Class I Pavement Line Marking 4"           | 10600    | LF   | \$ 2.00       | \$ 21,200.00    |
| 54034   | 246       | Type B Class I Pavement Line Marking 5"           |          | LF   | \$ 3.00       | \$ -            |
| 54036   | 246       | Type B Class I Pavement Line Marking 6"           |          | LF   | \$ 4.00       | \$ -            |
| 54042   | 246       | Type B Class I Pavement Line Marking 24"          | 100      | LF   | \$ 15.00      | \$ 1,500.00     |
| N/A   | N/A       | M Field Markings (Sharp Teeth)                    |          | LF   | \$ 15.00      | \$ -            |
| 54300   | 246       | Pavement Message Marking (Elongated Arrow Single) | 4        | EA   | \$ 300.00     | \$ 1,200.00     |
| 54310   | 246       | Pavement Message Marking (Elongated Arrow Double) | 4        | EA   | \$ 400.00     | \$ 1,600.00     |
| 13323   | 221.505   | Guardrail GR-MGS1                                 | 500      | LF   | \$ 30.00      | \$ 15,000.00    |
| N/A   | N/A       | Guardrail Terminal GR-MGS2                        | 4        | EA   | \$ 3,500.00   | \$ 14,000.00    |
| N/A   | N/A       | M Guardrail Terminal Site Preparation Minor       | 0        | EA   | \$ 750.00     | \$ 0.00         |
| 13345   | 221.505   | Aggregate Base Material Ty 1 or # No. 21A or 21B  | 20       | TON  | \$ 30.00      | \$ 600.00       |
| Sub-Total for Curb, Sidewalk, Pavement Markings, Misc.                    |           |   |          |      |               | \$ 328,100.00   |
| <b>Landscaping</b>  |           |   |          |      |               |                 |
| N/A   | N/A       | Landscape Lump Sum                                | 1        | LS   | \$ 50,000.00  | \$ 50,000.00    |
| Sub-Total for Landscaping   |           |   |          |      |               | \$ 50,000.00    |
| <b>Maintenance of Traffic</b>   |           |   |          |      |               |                 |
| N/A   | N/A       | MOT Lump Sum                                      | 1        | LS   | \$ 75,000.00  | \$ 75,000.00    |
| Sub-Total for Maintenance of Traffic                                      |           |   |          |      |               | \$ 75,000.00    |
| <b>Erosion and Sediment Control / Seeding</b>                             |           |   |          |      |               |                 |
| N/A   | N/A       | E/S Lump Sum                                      | 1        | LS   | \$ 200,000.00 | \$ 200,000.00   |
| Sub-Total for Erosion and Sediment Control / Seeding                      |           |   |          |      |               | \$ 200,000.00   |
| <b>Traffic Signal</b>   |           |   |          |      |               |                 |
| N/A   | N/A       | Traffic Signal Lump Sum                           | 1        | LS   | \$ 50,000.00  | \$ 50,000.00    |
| Sub-Total for Traffic Signal  |           |   |          |      |               | \$ 50,000.00    |



**COUNTY OF AUGUSTA**  
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
P.O. BOX 590  
COUNTY GOVERNMENT CENTER  
VERONA, VA 24482-0590



**MEMORANDUM**

**TO:** Board of Supervisors  
**FROM:** Leslie Tate, Planner II *Leslie*  
**DATE:** March 22, 2018  
**SUBJECT:** Smart Scale Round Applications

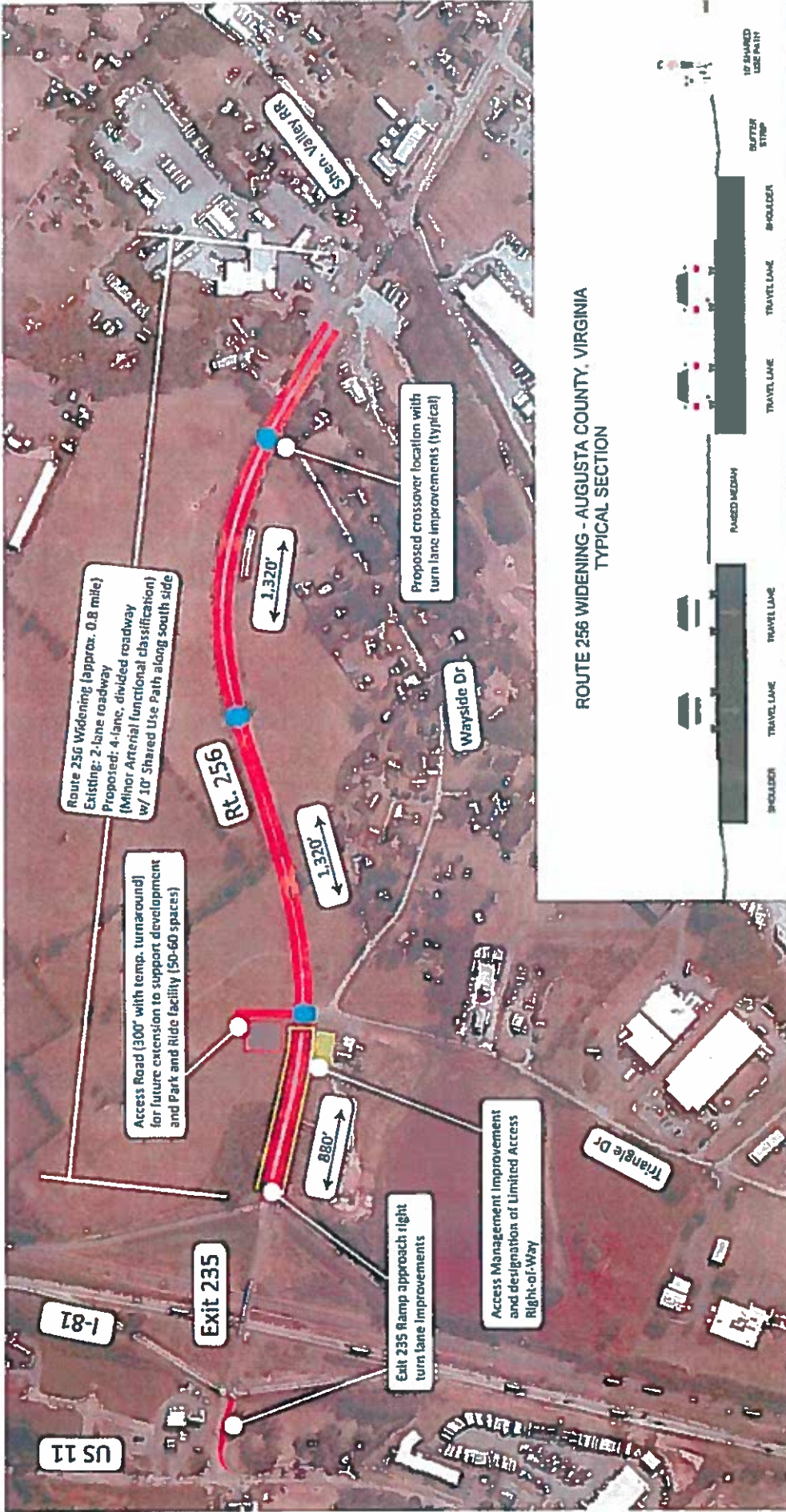
The Smart Scale portal for the third round of applications has begun. This application cycle consists of a pre-application for project screening and eligibility review (deadline June 1<sup>st</sup>) and the completion of remaining sections needed to complete the validation and evaluation steps (deadline August 1<sup>st</sup>).

Several changes were made to the Smart Scale Technical Guide for this round of applications. One being a limitation on the number of applications based on population size. Localities with a population less than 200,000 are limited to a maximum of 4 applications.

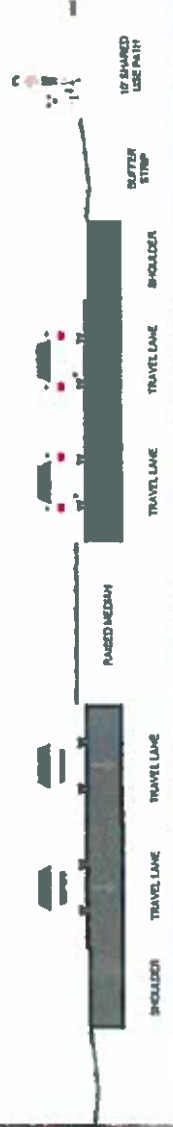
Staff would like the Board to give direction on the applications for which we should apply. For a starting point of discussion, staff identifies below some options for consideration:

1. Short-term recommendations of WWRC Study
2. Long-term recommendation – secondary access option for WWRC
3. Route 256 widening project applied for in last round but not awarded funding (See sketch attached)

LT



ROUTE 256 WIDENING - AUGUSTA COUNTY, VIRGINIA  
TYPICAL SECTION



Route 256 Widening Improvement Sketch  
Augusta County, VA  
September 23, 2016  
Not to Scale



COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-77.4  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to amend Section 25-77.4. Lot frontage in general. Exceptions of the Augusta County Code.**

To add stepchild, sibling, and grandparent as members of the immediate family to which a grantor may convey a lot that does not have frontage on a public street, provided the conditions of Section 25-77.4.B. are met.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-77.4 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-77.4. Lot frontage in general. Exceptions.**

A. In General Agriculture Districts, the following frontage requirements apply:

1. For cluster residential lots: Forty feet (40') of frontage on a private street.

2. For all other agriculture lots, with the exception of any "family member exception lot" (as described in subsection B below), shall have at least fifty feet (50') of frontage on a public street.

B. In General Agriculture Districts, a lot, to be known as a "family member exception lot," may be created that does not have frontage on a public street, provided the following conditions are met:

1. Such family member exception lot shall be created for the purpose of a sale or gift to a member of the immediate family of the grantor. For purposes of this subsection, a member of the immediate family of the grantor is defined as any person who is a natural or legally defined offspring, stepchild, spouse, sibling, grandchild, grandparent, or parent of the grantor, ~~adopted child or grandchild of the grantor, or the spouse or parent of the grantor~~. Such lot may be conveyed by the grantor:

a. To a member of the immediate family of the grantor and the member's spouse, or

b. To a member of the immediate family of the grantor and another natural person, if the member of the immediate family owns at least a fifty percent (50%) interest in such lot.

2. No such family member exception lot shall be created for the purpose of the circumvention of chapter 21 of this Code.

3. The residual lot or tract of the grantor shall be no more than one contiguous tract or lot, and the foregoing notwithstanding, need not have the fifty feet (50') of frontage on a public street required by this section. Any new private rights-of-way or easements established to serve either the family member exception lot or the residual lot of the grantor must meet the requirements of § 21-11.B of this Code.

4. No grantee shall be the recipient of any portion of more than one (1) family member exception lot in Augusta County.

5. A family member exception lot created under this subsection shall be titled in the name of the member of the immediate family for whom the subdivision is made for a period of no less than three (3) years; provided, however, the foregoing restriction shall not apply in the following circumstances:

a. Where such lot is subject to an involuntary transfer such as a foreclosure, judicial or bankruptcy sale, or as a result of the condemnation of such lot or the death of the grantee; or:

b. Where such lot is conveyed by the grantee:

i. To the grantee and the grantee's spouse, or

ii. To the grantee and another natural person, if the grantee continues to own at least a fifty percent (50%) interest in such lot, in which event such lot shall remain subject to the foregoing restriction for the balance of the three-year period.

6. No grantor shall create and convey a family member exception lot to a person from whom the grantor has received any portion of a family member exception lot in Augusta County. For example, in the case of a lot owned by a husband and wife, the husband can convey a lot to the wife but she cannot then convey a lot to the husband.

7. The grantor and grantee shall submit to the subdivision agent an affidavit which describes the purpose of the creation of the family member exception lot, identifies the persons to receive such lot, including the member of the immediate family, and certifies compliance with this subsection.

(Ord. 11/21/06, eff. 1/1/07)

State law reference—Virginia Code § 15.2-2244.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment adds stepchildren, siblings, and grandparents as members of the immediate family to which a

grantor may convey a lot that does not have frontage on a public street. The Virginia Code reference identified above requires a county's subdivision ordinance to provide reasonable provisions that permit a single division of a lot or parcel for the purpose of sale or gift to a member of the immediate family. The code also explicitly defines those to be included as members of immediate family of the grantor. This ordinance amendment brings the County's provisions in accordance with state code.

However, staff believes that it is important to point out that the following excerpt from the County's Comprehensive Plan:

*Goal 2: Protect existing agricultural and forestry operations in the Rural Conservation and Agricultural Conservation Areas from conflicts with other land uses and from being converted to other land uses.*

*Objective B: Discourage encroachment of residential land uses into areas that have good prospects for long-term farming or forestry activities.*

*Policy 2: Lot Creation. Continue to explore and implement methods for reducing the number of lots created in agriculturally zoned areas through the minor subdivision process. New minimum or maximum lot sizes, limits on the family member exception, and restrictions on boundary line adjustments, as well as other available methods, should be considered. Regulations relating to the configuration of new lots should also be considered.*

While this ordinance amendment does the opposite of placing limits on the family member exception process for lot creation, it brings our ordinance in accordance with state code. As the excerpt above recommends, additional restrictions and/or limitations, within the purview of state code, could still be considered for family member exceptions.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-77.4 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has determined that the addition of stepchild, sibling, and grandparent to members of the immediate family to which a grantor may convey a lot that does not have frontage on a public street is needed to comply with Virginia Code § 15.2-2244.A.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 77-4. of the Augusta County Code is amended to read as follows:

**§ 25-77.4. Lot frontage in general. Exceptions.**

A. In General Agriculture Districts, the following frontage requirements apply:

1. For cluster residential lots: Forty feet (40') of frontage on a private street.
2. For all other agriculture lots, with the exception of any "family member exception lot" (as described in subsection B below), shall have at least fifty feet (50') of frontage on a public street.

B. In General Agriculture Districts, a lot, to be known as a "family member exception lot," may be created that does not have frontage on a public street, provided the following conditions are met:

1. Such family member exception lot shall be created for the purpose of a sale or gift to a member of the immediate family of the grantor. For purposes of this subsection, a member of the immediate family is defined as any person who is a natural or legally defined offspring, stepchild, spouse, sibling, grandchild, grandparent, or parent of the grantor. Such lot may be conveyed by the grantor:

a. To a member of the immediate family of the grantor and the member's spouse, or

b. To a member of the immediate family of the grantor and another natural person, if the member of the immediate family owns at least a fifty percent (50%) interest in such lot.

2. No such family member exception lot shall be created for the purpose of the circumvention of chapter 21 of this Code.

3. The residual lot or tract of the grantor shall be no more than one contiguous tract or lot, and the foregoing notwithstanding, need not have the fifty feet (50') of frontage on a public street required by this section. Any new private rights-of-way or easements established to serve either the family member exception lot or the residual lot of the grantor must meet the requirements of § 21-11.B of this Code.

4. No grantee shall be the recipient of any portion of more than one (1) family member exception lot in Augusta County.

5. A family member exception lot created under this subsection shall be titled in the name of the member of the immediate family for whom the subdivision is made for a period of no less than three (3) years; provided, however, the foregoing restriction shall not apply in the following circumstances:

a. Where such lot is subject to an involuntary transfer such as a foreclosure, judicial or bankruptcy sale, or as a result of the condemnation of such lot or the death of the grantee; or:

b. Where such lot is conveyed by the grantee:

i. To the grantee and the grantee's spouse, or

ii. To the grantee and another natural person, if the grantee continues to own at least a fifty percent (50%) interest in such lot, in which event such lot shall remain subject to the foregoing restriction for the balance of the three-year period.

6. No grantor shall create and convey a family member exception lot to a person from whom the grantor has received any portion of a family member exception lot in Augusta County. For example, in the case of a lot owned by a husband and wife, the husband can convey a lot to the wife but she cannot then convey a lot to the husband.

7. The grantor and grantee shall submit to the subdivision agent an affidavit which describes the purpose of the creation of the family member exception lot, identifies the persons to receive such lot, including the member of the immediate family, and certifies compliance with this subsection.

(Ord. 11/21/06, eff. 1/1/07)

State law reference—Virginia Code § 15.2-2244.



**COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-71.1  
March 13, 2018  
Revised: March 14, 2018**

**An ordinance to amend Section 25-71.1. Definitions of the Augusta County Code.**

To clarify that an agricultural operation is any operation devoted to the bona fide production of crops, animals, or fowl including the production of fruits and vegetables of all kinds; meat, dairy, and poultry products; nuts, tobacco, nursery, and floral products; and the production and harvest of products from silviculture activity; but shall not include the processing of agricultural or silvicultural products or the above ground application or storage of sewage sludge.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-71.1 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-71. Purposes.**

A. The General Agriculture District is intended to allow an area to be devoted to agricultural use; to conserve, protect, and encourage the development, improvement and preservation of agricultural land for the production of food and other agricultural products; to retain major areas of natural ground cover for conservation purposes; and to retain forests.

B. The principal purposes of this district may be accomplished by maintaining the existing agricultural lands and preventing the encroachment of incompatible land uses; while allowing development to occur at a reasonable density.

C. Non-farm residents should recognize that in this district they are located in an agricultural environment where "the right to farm" and "the right to practice forestry" have been established as public policies.

D. This district is also intended to minimize the demand for unanticipated public improvements and services, such as public sewer and water, by reducing development densities and discouraging large scale development.

**§ 25-71.1. Definitions**

**The following definitions shall be used in the interpretation and construction of this Article:**

**Agricultural operation.** Any operation devoted to the bona fide production of crops, animals, or fowl including the production of fruits and vegetables of all kinds; meat, dairy, and poultry

products; nuts, tobacco, nursery, and floral products; and the production and harvest of products from silviculture activity; but shall not include the processing of agricultural or silvicultural products or the above ground application or storage of sewage sludge. (VA Code 3.2-300)

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment adds an additional clause from Virginia Code 3.2-300 to the Augusta County Code's definitions of an agricultural operation to clarify that the processing of agricultural or silvicultural products or the above ground application or storage of sewage sludge are not included in the permitted agricultural operation use in the General Agriculture zoning districts.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment with the following change in wording:

**An ordinance to amend Section 25-71.1. Definitions of the Augusta County Code.**

To clarify that an agricultural operation is any operation devoted to the bona fide production of crops, animals, or fowl including the production of fruits and vegetables of all kinds; meat, dairy, and poultry products; nuts, tobacco, nursery, and floral products; and the production and harvest of products from silviculture activity; but shall not include the processing of agricultural or silvicultural products. ~~or the above-ground application or storage of sewage sludge.~~

**AN ORDINANCE TO AMEND  
SECTION 25-71.1 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors desires to reference the applicable Virginia Code section for the definition of an agricultural operation, which is permitted by-right in General Agriculture districts; and

WHEREAS, such reference (VA Code 3.2-300) clarifies that the processing of agricultural or silvicultural products or the above ground application or storage of sewage sludge does not fall within the agricultural operation definition.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-71.1 of the Augusta County Code is amended to read as follows:

**§ 25-71. Purposes.**

A. The General Agriculture District is intended to allow an area to be devoted to agricultural use; to conserve, protect, and encourage the development, improvement and preservation of agricultural land for the production of food and other agricultural products; to retain major areas of natural ground cover for conservation purposes; and to retain forests.

B. The principal purposes of this district may be accomplished by maintaining the existing agricultural lands and preventing the encroachment of incompatible land uses; while allowing development to occur at a reasonable density.

C. Non-farm residents should recognize that in this district they are located in an agricultural environment where "the right to farm" and "the right to practice forestry" have been established as public policies.

D. This district is also intended to minimize the demand for unanticipated public improvements and services, such as public sewer and water, by reducing development densities and discouraging large scale development.

**§ 25-71.1. Definitions**

**The following definitions shall be used in the interpretation and construction of this Article:**

**Agricultural operation.** Any operation devoted to the bona fide production of crops, animals, or fowl including the production of fruits and vegetables of all kinds; meat, dairy, and poultry products; nuts, tobacco, nursery, and floral products; and the production and harvest of products from silviculture activity; but shall not include the processing of agricultural or silvicultural products or the above ground application or storage of sewage sludge.



COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-33  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to amend Section 25-33. Design and construction standards of the Augusta County Code.**

To reference compliance with Chapter 9. Environment for parking facilities.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-33 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-33. Design and construction standards.**

- A. Parking facilities shall be so designed: (a) to prevent parked vehicles from extending beyond the limits of the parking facility; (b) to prevent damaging effects to adjoining or nearby properties from surface drainage from the parking facilities; and (c) to comply with Augusta County Code ~~the Chapter 18. Regulations of Stormwater.~~ 9. Environment.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment makes reference to the correct section of the Augusta County Code. Chapter 18. Regulations of Stormwater no longer exists. The correct reference for such pertinent regulations is Chapter 9. Environment.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-33 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors desires to reference the applicable stormwater, erosion and sediment control, and illicit discharge detection and elimination regulations for parking facilities; and

WHEREAS, such regulations are found in Chapter 9. "Environment" of the Augusta County Code.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-33 of the Augusta County Code is amended to read as follows:

**§ 25-33. Design and construction standards.**

- A. Parking facilities shall be so designed: (a) to prevent parked vehicles from extending beyond the limits of the parking facility; (b) to prevent damaging effects to adjoining or nearby properties from surface drainage from the parking facilities; and (c) to comply with Augusta County Code Chapter 9. Environment.

COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-673  
March 13, 2018  
Revised: March 14, 2018

An ordinance to amend Section 25-673. Site plan content of the Augusta County Code.

To reference compliance with Chapter 9. Environment.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-673 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-673. Site plan contents.**

A. Each site plan shall be drawn to scale. The scale shall be one inch (1") equals a stated number of feet. The number of feet shall be a multiple of ten. For example, the scale may be one inch (1") equals fifty feet (50') or one inch (1") equals one hundred feet (100').

B. Each site plan shall contain or be accompanied by the following:

16. Any information necessary, including topography, to show compliance with chapter 9, "Environment ~~Stormwater and Erosion and Sediment Control~~," of this code.

~~17. Any information necessary, including topography, to show compliance with chapter 18, "Regulation of Stormwater," of this code.~~

17. ~~18.~~ Location and dimensions of existing and proposed easements, including, but not necessarily limited to, utility, stormwater drainage, and ingress and egress easements, showing appurtenant structures such as fire hydrants, manholes, cleanouts, and water meters.

18. ~~19.~~ Location, layout, dimensions, and calculations of all required buffers, landscaping areas, fences and walls, in a separate table, including where applicable, the distances to established uses. June 2014

19. ~~20.~~ Any information required by the reviewing agencies listed in § 25-675 below.

~~20.21.~~ Any information necessary to show compliance with § 24-2, Fire Flow, if applicable.

~~21.22.~~ In the case of development of an adult business within a General Business (GB) District, certification of compliance with the requirements of subsection (A-H) of § 25-310 of this Code. (Ord. 04/23/08)

~~22.23.~~ Any rezoning proffers, Special Use Permit conditions such as operating or pre-conditions shall be noted on the plan.

~~23.24.~~ A completed TIA Worksheet with a determination by the Community Development Department that a TIA is not necessary or a Traffic Impact Analysis (TIA) found to be in conformance with the requirements of Chapter 527 (24VAC30-155) by VDOT, if applicable.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment makes reference to the correct section of the Augusta County Code. Chapter 18. Regulations of Stormwater no longer exists. The correct reference for such pertinent regulations is Chapter 9. Environment.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-673 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors desires to reference the applicable stormwater, erosion and sediment control, and illicit discharge detection and elimination regulations for required site plan contents; and

WHEREAS, such regulations are found in Chapter 9. "Environment" of the Augusta County Code.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-673 of the Augusta County Code is amended to read as follows:

**§ 25-673. Site plan contents.**

- A. Each site plan shall be drawn to scale. The scale shall be one inch (1") equals a stated number of feet. The number of feet shall be a multiple of ten. For example, the scale may be one inch (1") equals fifty feet (50') or one inch (1") equals one hundred feet (100').
- B. Each site plan shall contain or be accompanied by the following:
  16. Any information necessary, including topography, to show compliance with chapter 9, "Environment," of this code.
  17. Location and dimensions of existing and proposed easements, including, but not necessarily limited to, utility, stormwater drainage, and ingress and egress easements, showing appurtenant structures such as fire hydrants, manholes, cleanouts, and water meters.
  18. Location, layout, dimensions, and calculations of all required buffers, landscaping areas, fences and walls, in a separate table, including where applicable, the distances to established uses. June 2014
  19. Any information required by the reviewing agencies listed in § 25-675 below.
  20. Any information necessary to show compliance with § 24-2, Fire Flow, if applicable.
  21. In the case of development of an adult business within a General Business (GB) District, certification of compliance with the requirements of subsection (A-H) of § 25-310 of this Code. (Ord. 04/23/08)

**22 Any rezoning proffers, Special Use Permit conditions such as operating or pre-conditions shall be noted on the plan.**

**23. A completed TIA Worksheet with a determination by the Community Development Department that a TIA is not necessary or a Traffic Impact Analysis (TIA) found to be in conformance with the requirements of Chapter 527 (24VAC30-155) by VDOT, if applicable.**

DRAFT

COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-20  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to amend Section 25-20. Utility lots of the Augusta County Code.**

To clarify that public utility distribution and collection lines for the furnishing of utility services to the public, rather than specifically for local service, shall be permitted in all districts.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-20 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-20. Utility lots.**

C. Public utility distribution and collection lines for ~~local service~~ the furnishing of utility services to the public shall be permitted in all districts.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment clarifies that public utility distribution and collection lines are permitted in all districts for the furnishing of utility services to the public not specifically local service.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval with the following change in wording:

C. Public utility distribution, transmission, and collection lines for ~~local service~~ the furnishing of utility services to the public shall be permitted in all districts.

**AN ORDINANCE TO AMEND  
SECTION 25-20 OF THE  
AUGUSTA COUNTY CODE**

**WHEREAS, the Augusta County Board of Supervisors has determined it desirable to clarify that public utility distribution and collection lines for the furnishing of utility services to the public, not specifically those for local service, are permitted in all districts.**

**NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-20 of the Augusta County Code is amended to read as follows:**

**§ 25-20. Utility lots.**

**C. Public utility distribution and collection lines for the furnishing of utility services to the public shall be permitted in all districts.**

COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-68.7 and 25-68.8  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to amend Section 25-68.7. Bonding and 25-68.8 Removal, maintenance and safety of the Augusta County Code.**

To clarify removal of telecommunications facilities, including the concrete pad is required to a depth of at least three feet below grade.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-68.7 and 25-68.8 OF THE  
AUGUSTA COUNTY CODE**

**DIVISION A. IN GENERAL.**

**Article VI.B. Wireless telecommunication facilities.**

**§25-68.7. Bonding.**

Prior to the issuance of a building permit for a wireless telecommunications facility, the applicant shall:

A. Submit to the Zoning Administrator an itemized cost estimate of the work to be done to completely remove the entire telecommunications facility including the concrete pad to a depth of at least three feet (3') below grade plus twenty-five percent (25%) of said estimated costs as a reasonable allowance for administrative costs, inflation, and potential damage to existing roads or utilities.

B. Submit a bond, irrevocable Letter of Credit, or other appropriate surety acceptable to the County in the amount of the estimate as approved by the Zoning Administrator which shall:

1. Secure the cost of removing the facility and restoring the site to its original condition to the extent reasonably possible.

2. Include a mechanism for a Cost of Living Adjustment after ten (10) and fifteen (15) years.

C. The applicant will ensure the bond shall remain in effect until the Community Development Department has inspected the site and verified that the wireless telecommunications facility and equipment has been removed and the site restored. At which time the Community Development Department shall promptly release the bond.

**§25-68.8. Removal, maintenance and safety.**

A. The applicant shall maintain the wireless telecommunications facility in good condition. Such maintenance shall include, but not be limited to, painting, structural integrity of the foundation and tower or base station structure and security barrier (if applicable), and maintenance of the buffer areas and landscaping if present. The project owner shall be responsible for the cost of maintaining the wireless telecommunications facility and access road if present, unless accepted as a public way, and the cost of repairing any damage occurring as a result of operation and construction.

B. Any wireless telecommunications facility that is found to be unsafe by the building official shall be repaired by the owner to meet federal, state, and local safety standards or disassembled and completely removed, including the concrete pad to a depth of at least three feet (3') below grade, within one hundred eighty (180) days. Any wireless telecommunications facility that is not operated for a continuous period of twenty-four (24) months shall be considered abandoned and the owner of the system shall completely remove the wireless telecommunications facility within one hundred eighty (180) days of receipt of notice from the County instructing the owner to remove the facility.

C. The applicant shall notify the Augusta County Community Development Department within thirty (30) days of the date the wireless telecommunications facility is no longer used for telecommunications purposes. The tower or base station shall be disassembled and completely removed, including the concrete pad to a depth of at least three feet (3') below grade and all equipment, from the site within one hundred eighty (180) days of the date the facility is no longer used for telecommunications purposes.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** Removal to a depth of at least three feet below grade is standard practice for telecommunications facilities.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-68.7 and 25-68.8 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has determined that removal of telecommunications facilities to a depth of at least three feet below grade is a sufficient and reasonable provision for the protection of public health, safety, and welfare.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-68.7 and 35.68-8 of the Augusta County Code is amended to read as follows:

**DIVISION A. IN GENERAL.**

**Article VI.B. Wireless telecommunication facilities.**

**§25-68.7. Bonding.**

Prior to the issuance of a building permit for a wireless telecommunications facility, the applicant shall:

A. Submit to the Zoning Administrator an itemized cost estimate of the work to be done to completely remove the entire telecommunications facility including the concrete pad to a depth of at least three feet (3') below grade plus twenty-five percent (25%) of said estimated costs as a reasonable allowance for administrative costs, inflation, and potential damage to existing roads or utilities.

B. Submit a bond, irrevocable Letter of Credit, or other appropriate surety acceptable to the County in the amount of the estimate as approved by the Zoning Administrator which shall:

1. Secure the cost of removing the facility and restoring the site to its original condition to the extent reasonably possible.
2. Include a mechanism for a Cost of Living Adjustment after ten (10) and fifteen (15) years.

C. The applicant will ensure the bond shall remain in effect until the Community Development Department has inspected the site and verified that the wireless telecommunications facility and equipment has been removed and the site restored. At which time the Community Development Department shall promptly release the bond.

**§25-68.8. Removal, maintenance and safety.**

A. The applicant shall maintain the wireless telecommunications facility in good condition. Such maintenance shall include, but not be limited to, painting, structural integrity of the foundation and tower or base station structure and security barrier (if applicable), and maintenance of the buffer areas and landscaping if present. The project owner shall be

responsible for the cost of maintaining the wireless telecommunications facility and access road if present, unless accepted as a public way, and the cost of repairing any damage occurring as a result of operation and construction.

B. Any wireless telecommunications facility that is found to be unsafe by the building official shall be repaired by the owner to meet federal, state, and local safety standards or disassembled and completely removed, including the concrete pad to a depth of at least three feet (3') below grade, within one hundred eighty (180) days. Any wireless telecommunications facility that is not operated for a continuous period of twenty-four (24) months shall be considered abandoned and the owner of the system shall completely remove the wireless telecommunications facility within one hundred eighty (180) days of receipt of notice from the County instructing the owner to remove the facility.

C. The applicant shall notify the Augusta County Community Development Department within thirty (30) days of the date the wireless telecommunications facility is no longer used for telecommunications purposes. The tower or base station shall be disassembled and completely removed, including the concrete pad to a depth of at least three feet (3') below grade and all equipment, from the site within one hundred eighty (180) days of the date the facility is no longer used for telecommunications purposes.

COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-74  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to amend Section 25-74.H Public accommodation facilities of the Augusta County Code.**

To remove bed and breakfasts, tourist homes, restaurants and cafes, special event facilities, meeting places, boarding houses and residential care facilities from the public accommodation facilities permitted in agriculture zones by Special Use Permit, revise direct access condition, create additional conditions for traffic flow, compatibility with neighboring properties, reasonable limitations on enlargement unless determined compatible with neighboring properties, evidence of connection to public sewer or approval by the Virginia Department of Health, and protections for fire, environmental and other hazards.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**H. Public accommodation facilities.**

Public accommodation facilities, including but not necessarily limited to: ~~bed and breakfast inns, tourist homes, restaurants and cafes, special events facilities, meeting places and other facilities of civic, community service, and fraternal organizations, boarding houses, and residential care facilities~~ hotels and motels, may be permitted by Special Use Permit provided:

1. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
2. The business, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and

3. The permitting of the proposed business, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and
4. The business shall have frontage direct access on a state maintained road and approval by the Virginia Department of Transportation or the expected traffic on a legal right of way private road can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation access proposed; and
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment breaks out some of the varied uses which are currently categorized under public accommodation facilities into their own categories. The amendment also adds some additional conditions by which the Board of Zoning Appeals should consider Special Use Permits for such uses in General Agriculture zoned districts. This ordinance amendment also revises the direct access condition, stating that frontage or approval by VDOT of a legal right of way and the intersection with the state maintained road are sufficient to meet this condition under the ordinance.

Many of the additional conditions are included for other Special Use Permit categories within General Agriculture that are similar in impact; thus, staff recommends approval of the amendments.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to remove several of the uses under public accommodation facilities and create individual categories for such uses; and

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to amend the condition for direct access so that either frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation is sufficient to satisfy such condition; and

WHEREAS, the Augusta County Board of Supervisors has determined that additional conditions for public accommodation facilities for a Special Use Permit in General Agriculture districts should be added to reduce impacts to neighboring properties and create reasonable provisions addressing the impacts related to the use.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-74 of the Augusta County Code is amended to read as follows:

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**H. Public accommodation facilities.**

Public accommodation facilities, including but not necessarily limited to: hotels and motels, may be permitted by Special Use Permit provided:

1. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
2. The business, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and
3. The permitting of the proposed business, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and

4. The business shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation; and
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards.



**COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-74  
March 13, 2018  
Revised: March 14, 2018**

**An ordinance to amend Section 25-74.I Limited business and industries in agriculture zones of the Augusta County Code.**

To add restaurants and cafes to the list of limited business and industries permitted in agriculture zones by Special Use Permit, revise direct access condition, eliminate condition that the use be a substantial benefit to neighboring properties, and add reference to the Virginia Department of Health for sewer condition.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**I. Limited business and industries in agriculture zones.**

Limited businesses, professions, and other establishment for the sale of goods and services or for limited industrial activities, including, but no necessarily limited to: barber and beauty shops, pet grooming businesses, day care center and nursery schools, medical and dental clinics, veterinarian clinics, hardware stores, lawn and garden centers, motor vehicle service stations and convenience stores, restaurants and cafes, auction houses and flea markets, mini-warehouses, sale and storage of building materials, carpentry, electrical and plumbing sales and services, contractor's offices and storage yards, and welding and machine shops, may be approved by Special Use Permit provided:

1. Where outside storage is not prohibited, all outside storage areas will be adequately shielding or screened from view; and
2. The operator will be a resident on the premises unless the board of zoning appeals determined that such residency is not appropriate in the specific case, taking into account the nature of the business and the character of the neighboring properties; and

3. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
4. The business shall have frontage ~~direct access on a state maintained road and approval by the Virginia Department of Transportation or the expected traffic on a~~ legal right of way ~~private road or easement~~ can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation ~~access proposed~~; and
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be ~~not only~~ compatible with neighboring properties, ~~but will also be a substantial benefit to neighboring properties~~; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is ~~not only~~ compatible with neighboring properties, ~~but will also be a substantial benefit to neighboring properties~~; and
8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards; and
10. All items displayed for sale or stored on site shall be set back at least twenty-five feet (25') from the edge of the pavement of any adjoining roads, and in no case shall a display or storage area be within the right-of-way of any road. (Ord. 09/28/11)

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment adds restaurants and cafes to the limited businesses in agriculture districts Special Use Permit category. This ordinance amendment also revises the direct access condition, stating that frontage or approval by VDOT of a legal right of way and the intersection with the state maintained road are sufficient to meet this condition under the ordinance.

The ordinance amendment also takes out the language concerning structures associated with such uses being a substantial benefit to neighboring properties as staff believes such language is overly subjective and difficult to assess.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to include restaurants and cafes as a use specified under the Special Use Permit provision for limited business and industries in agriculture zones; and

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to amend the condition for direct access so that either frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation is sufficient to satisfy such condition; and

WHEREAS, the Augusta County Board of Supervisors has determined that the language requiring substantial benefit to neighboring properties as a condition should be removed; and

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to add reference to the Virginia Department of Health with regards to the sewer related condition.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-74 of the Augusta County Code is amended to read as follows:

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**I. Limited business and industries in agriculture zones.**

Limited businesses, professions, and other establishment for the sale of goods and services or for limited industrial activities, including, but no necessarily limited to: barber and beauty shops, pet grooming businesses, day care center and nursery schools, medical and dental clinics, veterinarian clinics, hardware stores, lawn and garden centers, motor vehicle service stations and convenience stores, restaurants and cafes, auction houses and flea markets, mini-warehouses, sale and storage of building materials, carpentry, electrical and plumbing sales and services, contractor's offices and storage yards, and welding and machine shops, may be approved by Special Use Permit provided:

1. Where outside storage is not prohibited, all outside storage areas will be adequately shielding or screened from view; and

2. The operator will be a resident on the premises unless the board of zoning appeals determined that such residency is not appropriate in the specific case, taking into account the nature of the business and the character of the neighboring properties; and
3. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
4. The business shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation; and
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards; and
10. All items displayed for sale or stored on site shall be set back at least twenty-five feet (25') from the edge of the pavement of any adjoining roads, and in no case shall a display or storage area be within the right-of-way of any road. (Ord. 09/28/11)



COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-74  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to add Section 25-74.R Short-term rentals, bed and breakfasts, and vacation rentals to the Augusta County Code.**

To create a separate category for such uses to be permitted in agriculture zones by Special Use Permit with the following conditions: there shall be no more than 1 principal dwelling or part thereof, operating as such use per parcel; there shall be no more than 1 accessory unit operating as such use per parcel; the lot is at least 5 acres in area unless determined that a smaller acreage will be compatible with neighboring properties; the owner of record's primary residence is the principal dwelling or accessory; building inspection department approval; Virginia Department of Health approval if not connected to public sewer; and all parking shall be accommodated on-site.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**R. Short-term rentals, bed and breakfasts, and vacation rentals.**

**Short-term rentals, bed and breakfasts, and vacation rentals, may be approved by Special Use Permit provided:**

- 1. There shall be no more than one (1) principal dwelling, or part thereof, operating as a Bed and breakfast or Short-term rental per parcel; and**
- 2. There shall be no more than one (1) detached accessory dwelling unit operating as a Bed and breakfast or Short-term rental per parcel; and**

3. The lot is at least five (5) acres in area, unless the board of zoning appeals determines that operation of the use on a smaller acreage will be compatible with neighboring properties; and
4. The owner of record's primary residence is ~~personally resides in~~ the principal dwelling or accessory dwelling unit; and
5. The Building Inspection Department has indicated that either a Building Permit is not required, or a Building Permit can be issued for the use once the Special Use Permit has been approved; and
6. If the principal and/or detached accessory dwelling unit is not connected to public sewer, the Virginia Department of Health has confirmed that the sewage disposal system is adequate for the proposed use; and
7. All parking shall be accommodated on-site.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment adds short-term rentals, bed and breakfasts, and vacation rentals as a standalone category for Special Use Permit consideration in General Agriculture districts. This use is currently lumped in as a public accommodation facility, but as the desire for this use has grown in popularity, staff recommends adding some additional conditions which pertain more specifically to such use and its impacts on surrounding properties. The conditions outlined above are similar to those adopted last year when a Special Use Permit category was adopted for this use in Rural Residential zoning districts.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to include Short-term rentals, bed and breakfasts, and vacation rentals as a Special Use Permit category in General Agriculture districts with specific conditions; and

WHEREAS, the Augusta County Board of Supervisors has determined that such conditions create reasonable provisions related to the impacts associated with the use.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-74 of the Augusta County Code is amended to read as follows:

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**R. Short-term rentals, bed and breakfasts, and vacation rentals.**

Short-term rentals, bed and breakfasts, and vacation rentals, may be approved by Special Use Permit provided:

1. There shall be no more than one (1) principal dwelling, or part thereof, operating as a Bed and breakfast or Short-term rental per parcel; and
2. There shall be no more than one (1) detached accessory dwelling unit operating as a Bed and breakfast or Short-term rental per parcel; and
3. The lot is at least five (5) acres in area, unless the board of zoning appeals determines that operation of the use on a smaller acreage will be compatible with neighboring properties; and
4. The owner of record's primary residence is ~~personally resides in~~ the principal dwelling or accessory dwelling unit; and
5. The Building Inspection Department has indicated that either a Building Permit is not required, or a Building Permit can be issued for the use once the Special Use Permit has been approved; and
6. If the principal and/or detached accessory dwelling unit is not connected to public sewer, the Virginia Department of Health has confirmed that the sewage disposal system is adequate for the proposed use; and
7. All parking shall be accommodated on-site.



**COUNTY OF AUGUSTA**  
**STAFF REPORT**  
**Ordinance Amendment**  
**Section 25-74**  
**March 13, 2018**  
**Revised: March 14, 2018**

**An ordinance to add Section 25-74.S Residential care facilities to the Augusta County Code.**

To create a separate category for such use to be permitted in agriculture zones by Special Use Permit with the following conditions: appropriate for agriculture areas, compatible with neighboring properties, will not result in a concentration of businesses, frontage on a state maintained road or approval by VDOT of the intersection of a legal right of way and the state maintained road, pre-existing structures to be utilized unless new construction determined compatible with neighboring properties, reasonable limitation on expansions unless determined compatible with neighboring properties, Virginia Department of Health approval if not connected to public sewer, adequate provisions for protection of fire, environmental and other hazards, and if applicable, compliance with state, federal, local licensing and/or regulations.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND**  
**SECTION 25-74 OF THE**  
**AUGUSTA COUNTY CODE**

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**S. Residential care facilities.**

**Residential care facilities, including, but not necessarily limited to, hospitals, nursing homes, group homes (unless separately permitted), assisted living facilities, and independent living facilities, may be approved by Special Use Permit provided:**

- 1. The facility and anticipated enlargements thereof will be appropriate for agriculture areas; and**
- 2. The facility, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and**
- 3. The permitting of the proposed facility, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or**

clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and

4. The business shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation.
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards; and
10. If applicable, the applicant demonstrates compliance with state licensing requirements and all applicable federal, state and local regulations.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment creates a standalone category for residential care facilities, which are currently included under public accommodation facilities. This ordinance amendment also revises the direct access condition, stating that frontage or approval by VDOT of a legal right of way and the intersection with the state maintained road are sufficient to meet this condition under the ordinance.

The amendment also adds some additional conditions by which the Board of Zoning Appeals should consider Special Use Permits for such use in General Agriculture zoned districts.

Many of the additional conditions are included for other Special Use Permit categories within General Agriculture that are similar in impact; thus, staff recommends approval of the amendments.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to include residential care facilities as a standalone Special Use Permit category in General Agriculture districts with specific conditions; and

WHEREAS, the Augusta County Board of Supervisors has determined that such conditions create reasonable provisions related to the impacts associated with the use.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-74 of the Augusta County Code is amended to read as follows:

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**S. Residential care facilities.**

Residential care facilities, including, but not necessarily limited to, hospitals, nursing homes, group homes (unless separately permitted), assisted living facilities, and independent living facilities, may be approved by Special Use Permit provided:

1. The facility and anticipated enlargements thereof will be appropriate for agriculture areas; and
2. The facility, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and
3. The permitting of the proposed facility, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and
4. The business shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation.
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and

6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards; and
10. If applicable, the applicant demonstrates compliance with state licensing requirements and all applicable federal, state and local regulations.

COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
Section 25-74  
March 13, 2018  
Revised: March 14, 2018

**An ordinance to add Section 25-74.T Special event facilities and meeting places to the Augusta County Code.**

To create a separate category for such use to be permitted in agriculture zones by Special Use Permit with the following conditions: appropriate for agriculture areas, compatible with neighboring properties, will not result in a concentration of businesses, frontage on a state maintained road or approval by VDOT of the intersection of a legal right of way and the state maintained road, pre-existing structures to be utilized unless new construction determined compatible with neighboring properties, reasonable limitation on expansions unless determined compatible with neighboring properties, Virginia Department of Health approval if not connected to public sewer, and adequate provisions for protection of fire, environmental and other hazards.

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**T. Special event facilities and meeting places.**

**Special event facilities and meeting places, including but not necessarily limited to: wedding venues, reunion venues, meeting places and other facilities of civic, community service and fraternal organizations, may be permitted by Special Use Permit provided:**

1. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
2. The business, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and

3. The permitting of the proposed business, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and
4. The business shall have frontage direct access on a state maintained road and approval by the Virginia Department of Transportation or the expected traffic on a legal right of way private road or easement can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation access proposed; and
5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and
6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and
7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and
8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and
9. There are adequate provisions set forth for the protection of fire, environmental and other hazards.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** This ordinance amendment creates a standalone category for special event facilities and meeting places, which are currently included under public accommodation facilities. This ordinance amendment also revises the direct access condition, stating that frontage or approval by VDOT of a legal right of way and the intersection with the state maintained road are sufficient to meet this condition under the ordinance.

The amendment also adds some additional conditions by which the Board of Zoning Appeals should consider Special Use Permits for such use in General Agriculture zoned districts.

Many of the additional conditions are included for other Special Use Permit categories within General Agriculture that are similar in impact; thus, staff recommends approval of the amendments.

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval of the amendment.

**AN ORDINANCE TO AMEND  
SECTION 25-74 OF THE  
AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to include Special event facilities and meeting places as a standalone Special Use Permit category in General Agriculture districts with specific conditions; and

WHEREAS, the Augusta County Board of Supervisors has determined that such conditions create reasonable provisions related to the impacts associated with the use.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that § 25-74 of the Augusta County Code is amended to read as follows:

**§ 25-74. Uses permitted by special use permit.**

The uses listed in this section shall be permitted within General Agriculture Districts upon the issuance of a Special Use Permit by the board of zoning appeals pursuant to the provisions of ARTICLE LVIII of DIVISION I of this chapter.

**T. Special event facilities and meeting places.**

Special event facilities and meeting places, including but not necessarily limited to: wedding venues, reunion venues, meeting places and other facilities of civic, community service and fraternal organizations, may be permitted by Special Use Permit provided:

1. The business and anticipated enlargements thereof will be appropriate for agriculture areas; and
2. The business, taking into account such things as its proposed size, parking facilities, setbacks, and landscaping, will not be out of character with neighboring properties; and
3. The permitting of the proposed business, when taking into account the presence of similar businesses in the neighborhood, will not result in such concentration or clustering of businesses as to create an institutional setting or business center or otherwise change the area's character and social structure; and
4. The business shall have frontage on a state maintained road or the expected traffic on a legal right of way easement can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation; and

- 5. On-site traffic flow will adequately and safely accommodate all traffic to and from the public highways; and**
- 6. Only pre-existing structures will be utilized unless the board of zoning appeals finds that proposed new construction will be compatible with neighboring properties; and**
- 7. Reasonable limitations are imposed on the enlargement or expansion of the business. Business structures larger than four thousand (4,000) square feet or accumulated expansions by more than fifty percent (50%) shall not be permitted unless the board finds that a larger structure or expansion is compatible with neighboring properties; and**
- 8. Evidence that the business will be connected to public sewer or that an onsite sewage disposal system can be approved for the business use by the Virginia Department of Health; and**
- 9. There are adequate provisions set forth for the protection of fire, environmental and other hazards.**



**COUNTY OF AUGUSTA  
STAFF REPORT  
Ordinance Amendment  
ARTICLE VI.D. Solar energy systems.  
February 13, 2018  
March 6, 2018 (Revised)  
Revised: March 14, 2018**

**PROPOSED ORDINANCE TEXT:**

**AN ORDINANCE TO AMEND CHAPTER 25 ZONING DIVISION A. IN GENERAL  
OF THE AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to permit solar energy systems, operating as a principal land use and occupying less than one half acre of total land area, through a Special Use Permit in General Agriculture, General Business, and General Industrial zoning districts; and

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to permit solar energy systems, operating as a principal land use and occupying one half acre or more of total land area, through the Public Use Overlay in General Agriculture, General Business, and General Industrial zoning districts; and [Staff has been working with the County Attorney concerning this process. If the ability to vary setbacks is desired, then the County Attorney is of the opinion that a Special Use Permit, which could be considered by the Board of Supervisors, is needed rather than a Public Use Overlay request.]

WHEREAS, such reasonable provisions are set forth to promote and protect the public health, safety, and welfare of the community while promoting development of renewable energy resources.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that Division A. of Chapter 25 of the Augusta County Code is amended to add Article VI.D. Solar energy systems. and read as follows:

**ARTICLE VI.D. Solar energy systems.**

**§ 25-70. Purpose**

**§ 25-70.1 Definitions.**

**§ 25-70.2 Applicability**

**§ 25-70.3 Uses permitted by Special Use Permit.**

**§ 25-70.4 Uses permitted in public use overlay (PUO) districts.**

**§ 25-70.5 Applications and Procedures**

**§ 25-70.6 Location, Appearance and Operation of a Project Site**

**§ 25-70.7 Safety and Construction**

## **§ 25-70.8 Decommissioning**

## **§ 25-70.9 Bonding**

## **§ 25-70. Purpose**

The purpose of this ordinance is to provide for the siting, development and decommissioning of solar energy systems, as a principal land use in Augusta County, subject to reasonable conditions that promote and protect the public health, safety and welfare of the community while promoting development of renewable energy resources.

### **§ 25-70.1 Definitions.**

Applicant means the owner or operator who submits an application to the locality for a permit to install a solar energy system under this ordinance.

Disturbance Zone means the area within the site directly impacted by construction and operation of the solar energy project.

Integrated PV means photovoltaics incorporated into building materials, such as shingles.

Landowner means the person who owns all or a portion of the real property on which a solar energy project is constructed.

Non-participating landowner means a person who owns real property that may be affected by a solar energy project and is not under lease or other property agreement with the owner or operator of the solar energy system.

Operator means the person responsible for the overall operation and management of a solar energy system.

Owner means the person who owns all or a portion of a solar energy system.

Photovoltaic or PV means materials and devices that absorb sunlight and convert it directly into electricity by semiconductors.

Rated capacity means the maximum capacity of a solar energy project based on the sum total of each photovoltaic system's nameplate capacity.

Site means the area containing a solar energy system.

Small solar energy system. An energy conversion system, operating as a principal land use, consisting of photovoltaic panels, support structures, and associated control, conversion, and transmission hardware occupying less than one-half acre of total land area.

Large solar energy system. An energy conversion system, operating as a principal land use, consisting of photovoltaic panels, support structures, and associated control, conversion, and transmission hardware occupying one-half acre or more of total land area. Also known as solar energy arrays or solar energy farms.

### **§ 25-70.2 Applicability**

This ordinance applies to all solar energy systems, operating as principal land uses, proposed to be constructed after the effective date of this ordinance. Solar energy systems constructed

prior to the effective date of this ordinance shall not be required to meet the requirements of this ordinance.

**§ 25-70.3 Uses permitted by Special Use Permit.**

**A. General standards applicable to all Special Use Permits.** No Special Use Permit shall be issued without consideration that, in addition to conformity with any standards set forth in this chapter for Special Use Permit uses, the following general standards will be met either by the proposal made in the application or by the proposal as modified or amended and made part of the Special Use Permit:

1. **Conformity with Comprehensive Plan and policies.** The proposal as submitted or as modified shall conform to the Comprehensive Plan of the county or to specific elements of such plan, and to official policies adopted in relation thereto, including the purposes of this chapter.
2. **Impact on neighborhood.** The proposal as submitted or as modified shall not have undue adverse impact on the surrounding neighborhood.

**B. Small solar energy systems** shall be permitted in General Agriculture (GA), General Business (GB), and General Industrial (GI) zoning districts subject to compliance with this article.

**C. Standards applicable to solar energy systems permitted by Special Use Permit.**

1. **Setbacks.** All equipment and accessory structures associated with the small solar energy system shall be setback twenty five (25') feet from side and rear property lines and fifty (50') feet from the right of way of any public or private street, unless the Board of Zoning Appeals determines that a greater setback would more adequately protect adjoining land uses.
  - a. Setback areas shall be kept free of all structures and parking lots.
  - b. Setbacks shall not be required along property lines adjacent to other parcels which are part of the solar energy system; however, should properties be removed from the system, setbacks must be installed along all property lines of those properties remaining within the project and which are adjacent to a parcel which has been removed.
2. **Ground-mounted systems** shall not exceed fifteen (15) feet in height when oriented at maximum tilt.
3. **Site control.** The applicant shall submit documentation of the legal right to install and use the proposed system at the time of application.

4. Solar energy systems shall meet or exceed all applicable federal and state standards and regulations.
5. Signs. No signs or advertising of any type may be placed on the small solar energy system unless required by any state or federal agency.
6. The applicant shall submit documentation that the design of any buildings and structures associated with or part of the solar energy system complies with applicable sections of the Virginia Uniform Statewide Building Code (USBC) (13VAC5-63). This requirement includes all electrical components of the solar energy system.
7. Any glare generated by the system must be mitigated or directed away from an adjoining property or from any road when it creates a nuisance or safety hazard.
8. The parcel shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation.

#### **§ 25-70.4 Uses permitted in public use overlay (PUO) districts.**

**Large Solar Energy Systems** shall be permitted by the designation of a Public Use Overlay (PUO) district, as permitted in ARTICLE XLIX of this chapter, through a public hearing before the board of supervisors: **[This language could potentially be revised to specify a Special Use Permit process for Large Solar Energy Systems to be heard by the Board of Supervisors].**

1. Where the primary use of the system is electrical generation to be sold to the wholesale electricity markets and not used primarily for the onsite consumption of energy by a dwelling or commercial building.
2. A Public Use Overlay for a large solar energy system shall be permitted in General Agriculture (GA), General Business (GB), and General Industrial (GI) zoning districts.

#### **§ 25-70.5 Applications and Procedures**

In addition to the requirements of article LXVII, "Site Plan Review", article LVIII, "Special Use Permits Procedures", and article LX, "Rezoning and other Amendments," applications for a large solar energy system shall include the following information:

##### **A. Community Meeting**

Prior to submittal of an application, the applicant shall hold a meeting to inform the community about the planned solar energy system installation. Said meeting shall be open to the public. Notice of the date, time, and location of the meeting, as well as a contact name and phone number of the project representative and a summary of the request, shall be delivered by first class mail to all property owners as noted in the Augusta County tax records within one (1) mile of the perimeter of the project. Such notice shall be mailed so as to be delivered at least five (5) and no more than twenty-one (21) working days prior to the

community meeting. Upon conclusion of the community meeting, a mailing list of property owners notified, a sign-in sheet from the meeting, an agenda from the meetings, and a written summary of the meeting shall be included with the application.

#### **B. Project description**

A narrative identifying the applicant and describing the proposed solar energy system, including an overview of the project and its location; approximate rated capacity of the solar energy system; the approximate number, representative types and expected footprint of solar equipment to be constructed; and a description of ancillary facilities, if applicable. **[Per the work session discussion, applications for such request would include proof of an interconnection agreement with the utility company for which the project will supply power].**

**[Per the work session discussion, an additional requirement for the application process would be a cost benefit analysis].**

#### **C. Site plan.**

The site plan shall conform to the preparation and submittal requirements of article LXVII, "Site Plan Review," including supplemental plans and submissions, and shall include the following information:

1. Property lines and setback lines.
2. Existing and proposed buildings and structures, including location(s) of the proposed solar equipment.
3. Existing and proposed access roads, drives, turnout locations, and parking.
4. Location of substations, electrical cabling from the solar systems to the substations, accessory equipment, buildings, and structures, including those within any applicable setbacks.
5. Additional information may be required, as determined by the Zoning Administrator, such as a scaled elevation view and other supporting drawings, photographs of the proposed site, photo or other realistic simulations or modeling of the proposed solar energy project from potentially sensitive locations as deemed necessary by the Zoning Administrator to assess the visual impact of the project, landscaping and screening plan, coverage map, and additional information that may be necessary for a technical review of the proposal.
6. Documentation shall include proof of control over the land or possession of the right to use the land in the manner requested. The applicant may redact sensitive financial or confidential information.
7. The application shall include a decommissioning plan and other documents required by Section 25-70.8 of this ordinance.
8. The applicant shall provide proof of adequate liability insurance for a large solar energy system at the time of application.

## § 25-70.6 Location, Appearance and Operation of a Project Site

### A. Visual impacts

The applicant shall demonstrate through project siting and proposed mitigation, if necessary, that the solar project minimizes impacts on the visual character of a scenic landscape, vista, or scenic corridor.

### B. Ground-mounted systems shall not exceed fifteen (15) feet in height when oriented at maximum tilt.

### C. Signage

Warning signage shall be placed on solar equipment to the extent appropriate. Solar equipment shall not be used for displaying any advertising except for reasonable identification of the manufacturer or operator of the solar energy project. All signs, flags, streamers or similar items, both temporary and permanent, are prohibited on solar equipment except as follows: (a) manufacturer's or installer's identification; (b) appropriate warning signs and placards; (c) signs that may be required by a state or federal agency; and (d) signs that provide a 24-hour emergency contact phone number.

### D. Noise.

Audible sound from a solar energy system shall not exceed 60 dBA (A-weighted decibels), as measured at any adjacent non-participating landowner's property line. The level, however, may be exceeded during short-term exceptional circumstances, such as severe weather.

### E. Setbacks.

All equipment, accessory structures and operations associated with a large solar energy system shall be setback at least two-hundred (200) ft. from all property lines and at least 1,000 ft. from any residentially zoned properties. **[If the Planning Commission would like to recommend a change from the PUDO process to the SUP process in order to have flexibility in setbacks, then language should be changed to establish a maximum setback for the Special Use Permit request that could be decreased by the Board of Supervisors. At the work session the maximum of 500 ft. from residentially zoned properties (does not include agriculture zoned properties that have a residence on them) and 50 ft. from all other property lines was suggested. If the Planning Commission would like to keep as a PUDO, then a setback can be established and the buffering could be varied by the BOS].**

- a. Setbacks shall be kept free of all structures and parking lots.
- b. Setbacks shall not be required along property lines adjacent to other parcels which are part of the solar energy system; however, should properties be removed from the system, setbacks must be installed along all property lines of those properties remaining within the project and which are adjacent to a parcel which has been removed.

### F. Ocular Impact study.

An ocular impact study shall be performed for airports within five miles of the project site, for public roads within sight of the system, and from scenic highways and overlooks. The analysis shall be performed using FAA Solar Glare Hazard Analysis Tool (SGHAT) to demonstrate compliance with FAA standards for measuring ocular impact.

**G. Buffering**

A buffer yard shall be provided and maintained adjacent to any property line, except those property lines interior to the solar energy system, and landscaped in one (1) of two (2) ways. If a property ceases being used for the solar energy system, buffering will be required along all property lines adjacent to the property which has been removed.

Alternative 1: A ten foot (10') wide strip of land with a six foot (6') opaque privacy fence, wall, berm or combination thereof. Opaque privacy fences shall be construction of good quality materials such as vinyl, pressure treated lumber, brick, stone, or similar materials approved by the Zoning Administrator. For the purposes of this chapter tarps, car covers tents, fabric, chain link fences with slats, or similar materials shall not be deemed to satisfy the requirements of opaque fencing.

Alternative 2: A twenty foot (20') wide strip of land with 2 evergreen trees, 2 canopy trees, 2 understory trees and 24 shrubs planted per fifty linear feet (50') of buffer. The trees shall be a minimum of six feet (6') at the time of planting and the shrubs shall be a minimum of eighteen inches (18") at the time of planting.

- A. The applicant is free to choose from Alternatives 1 or 2. Buffers planted below overhead utility lines shall apply any of the allowed buffer alternatives, except that understory trees shall replace any canopy trees at a rate of two (2) understory trees per required canopy tree.
- B. Plant and structure location within buffer. The placement of required plants and structures shall be the decision of the applicant; however, they shall be located so as to achieve the maximum level of protection. Plant material shall meet the buffer requirements every fifty feet (50'). Buffer areas not retained in native habitat shall be seeded or sodded with lawn and maintained at a height of no more than 15 inches, established with ground cover, or mulched with organic mulch. Inorganic ground cover shall not exceed fifty percent (50%) of the total required area of the buffer.
- C. Where a fence or wall is used as part of a buffer, the decorative side of the fence or wall shall be faced to the adjacent property.
- D. Permitted structures in buffer area.
  1. Where walls are placed within any required buffer area:
    - a. No walls of exposed concrete block are permitted, whether painted or not.
    - b. The applicant shall be required to demonstrate provisions for access and maintenance of landscaping and the wall structure at the time of site plan approval.

- c. Breaks in the wall may be provided for pedestrian and vehicular connections to adjacent developments.
- 2. Where berms are placed within any required buffer area:
  - a. A berm or combination of materials such as a berm and a fence shall be a minimum six feet (6') in height.
  - b. Berms shall have slopes of not less than three feet (3') horizontal for each one foot (1') vertical.
  - c. Slopes in excess of three feet (3') horizontal for each one foot (1') vertical may be permitted if sufficient erosion control methods are taken and deemed by the Zoning Administrator to be maintainable.
- 3. Where opaque privacy fences are placed within any required buffer area:
  - a. No reduction in buffer width shall be provided based on the provision of a chain-link fence.
  - b. Fences shall be a minimum of six feet (6') in height unless paired with a berm and in such case the combination of berm and fence shall be a minimum of six feet (6') in height.
  - c. Breaks in the fence may be provided for pedestrian and vehicular connections to adjacent developments.
  - d. Fences shall be maintained in a structurally safe and attractive condition and with finished faces located towards the adjacent property.

**E. Permitted use of buffer area. A buffer area shall not be used for anything except:**

- 1. Passive recreation and picnic facilities, including pedestrian and bike trails.
- 2. Other appurtenances which require high visibility and easy access, such as fire hydrants and utilities, public and emergency telephones, mail boxes, and bus shelters, or benches, are also permitted in a buffer. No screening of such appurtenances shall be required or permitted.
- 3. Access ways when necessary to provide access to adjacent properties.

4. A required buffer is encouraged to retain areas of native habitat and may incorporate water resources including stormwater management facilities. However, the minimum width of the buffer shall be preserved as a planting area and there shall be no reduction in buffer width based on the stormwater management facilities.

F. Alternative compliance. The buffer requirements may be modified by the board of supervisors upon a finding that a modification would be consistent with the purpose of this ordinance, this section, and the adopted plans and policies of the county; that such modification would not adversely affect the land use compatibility or public interest; and that the subject parcel or modified buffer complies with one (1) or more of the following criteria:

1. The buffer is parallel and adjacent to an existing utility or drainage easement of at least one hundred feet (100') in width.
2. The buffer is between uses that are to be developed under a common development plan or series of development plans.
3. The buffer is parallel and adjacent to an existing railroad right-of-way;
4. The topography of the parcel is such that buffering would not be effective;
5. The property is adjacent to an established industrial use;
6. There is existing vegetation either on this lot or the adjacent lot to provide the required buffer benefits.

Financial hardship due to meeting the requirements of this section shall not be sufficient justification for alternative compliance.

G. Site Plan. Landscaping of buffer yards shall be shown on the site plan in accordance with the standards in division J ARTICLE LXVII "Site Plan Review" and shall be provided and maintained in accordance with sound horticultural practices.

H. Fencing

All property containing panels must be enclosed with chain link fencing seven feet (7') tall, topped with barbed wire, and secured with gates.

## **§ 25-70.7 Safety and Construction**

A. Design

The applicant shall submit documentation that the design of any buildings and structures associated with or part of the solar energy project complies with applicable sections of the Virginia Uniform Statewide Building Code (USBC) (13VAC5-63). This requirement includes all electrical components of the solar energy project.

**B. Construction and installation**

In the construction and installation of a large solar energy system, the owner or operator shall install all electrical wires associated with the large solar energy system underground unless the applicant can demonstrate the necessity for aboveground installations as determined by the Board of Supervisors.

**C. Ground water monitoring**

Ground water monitoring to assess the level of groundwater contamination shall take place prior to and upon completion of construction of the project throughout the area of the solar energy system. Ground water monitoring shall take place every five (5) years of the operation of the project, and upon completion of decommissioning. Results from said monitoring shall be delivered to the Virginia Department of Health, Augusta County Department of Community Development and the Augusta County Service Authority. [A request for comment has been made to the Augusta County Service Authority and the Virginia Department of Environmental Quality. I hope to have an update concerning this at our meeting].

*[STAFF NOTE: After the Planning Commission meeting, Virginia Department of Environmental Quality sent an email responding to the above mentioned request. The Permit by Rule (PBR), which is DEQ's primary authorization for large scale solar energy projects does not require any groundwater or soil monitoring, so DEQ did not determine that such monitoring would be necessary as a general rule for these projects. Per DEQ, there does not appear to be any general threat to the groundwater or soil from these types of projects. However, DEQ is always available to follow up on any site-specific concerns that may come up. Additionally, DEQ stated that in addition to the PBR requirement, some projects would also require construction stormwater permit coverage and/or VWP permit coverage for any work in wetlands or streams (3/14/2018).]*

**D. Traffic Impact Statement and/or Analysis**

As part of the project application, the applicant shall submit a traffic impact statement. If required by the Virginia Department of Transportation, the applicant shall submit a Traffic Impact Analysis found to be in compliance with the requirements of Chapter 527 (24VAC30-155).

**§ 25-70.8 Decommissioning**

**A. Decommissioning plan**

As part of the project application, the applicant shall submit a decommissioning plan, which shall include the following: (1) the anticipated life of the project; (2) the estimated decommissioning cost in current dollars; (3) how said estimate was determined; (4) the method of ensuring that funds will be available for decommissioning and restoration; (5) the method that the decommissioning cost will be kept current; and (6) the manner in which the project will be decommissioned and the site restored.

**B. Discontinuation or Abandonment of Project**

1. Thirty (30) days prior to such time that a large solar energy system is scheduled to be abandoned or discontinued, the owner or operator shall notify the Director of Community Development by certified U.S. mail of the proposed date of abandonment or discontinuation of operations. Any solar project that has been inoperable or unutilized for a period of 12 consecutive months shall be deemed abandoned and subject to the requirements of this section.
2. Within 365 days of the date of abandonment or discontinuation, the owner or operator shall complete the physical removal of the solar energy project and site restoration. This period may be extended at the request of the owner or operator, upon approval of the Board of Supervisors.
3. Decommissioning of discontinued or abandoned large solar energy systems shall include the following:
  - a) Physical removal of all solar energy equipment and above-ground appurtenant structures from the subject property including, but not limited to, buildings, machinery, equipment, cabling and connections to transmission lines, equipment shelters, security barriers, electrical components, roads, unless such roads need to remain to access buildings retrofitted for another purpose, or the landowner submits a request to the Board of Supervisors that such roads remain.
  - b) Below-grade structures, such as foundations, underground collection cabling, mounting beams, footers, and all other equipment installed with the system shall be removed: however, these structures may be allowed to remain if a written request is submitted by the landowners and a waiver is granted by the Board of Supervisors.
  - c) Compacted soils shall be decompacted to a depth of three (3) feet. **[Work Session feedback suggested removal of this requirement (c)].**
  - d) Restoration of the topography of the project site to is pre-existing condition, except that any landscaping or grading may remain in the after-condition if a written request is submitted by the landowner and a waiver is granted by the Board of Supervisors.
  - e) Proper disposal of all solid or hazardous materials and wastes from the site in accordance with local, state, and federal solid waste disposal regulations.

### **§ 25-70.9 Bonding**

Prior to the issuance of a Building Permit for a solar energy system which requires a Public Use Overlay (PUO) designation, the applicant shall:

- A. Submit to the Zoning Administrator an itemized cost estimate of the work to be done to completely remove the entire solar energy system plus twenty-five percent (25%) of said estimated costs as a reasonable allowance for administrative costs, inflation, and potential damage to existing roads or utilities.

- B. Submit a bond, irrevocable Letter of Credit, or other appropriate surety acceptable to the County in the amount of the estimate as approved by the Zoning Administrator shall:
1. Secure the cost of removing the system and restoring the site to its original condition to the extent reasonably possible; and
  2. Include a mechanism for a Cost of Living Adjustment after ten (10) and fifteen (15) years.
- C. The applicant will ensure the bond, irrevocable Letter of Credit, or other surety shall remain in full force and effect until the Community Development Department has inspected the site and verified that the solar energy system has been removed. At which time the Community Development Department shall promptly release the bond, irrevocable Letter of Credit, or other surety.

**COMMUNITY DEVELOPMENT STAFF COMMENTS:** The proposed ordinance only applies to solar energy systems operating as a principal land use. This ordinance does not regulate solar energy systems used to power uses permitted by-right. Staff considers systems powering by-right permitted uses to be accessory to the permitted use.

The proposed ordinance permits solar energy systems, operating as a principal land use, in General Agriculture, General Business, and General Industrial zoning districts either through the Special Use Permit process (less than ½ acre) or through the Public Use Overlay process (1/2 acre or greater). While the Comprehensive Plan does not specifically identify zoning districts appropriate for such systems, it is clear in its desire to “prevent conflicts between residential, business, and industrial land uses as well as agricultural uses located in adjacent Rural Conservation and Agricultural Conservation Areas” (pg. 45). The Comprehensive Plan further specifies this minimization of land use conflict through the use of buffers and transitions in land use density and intensity.

Solar energy systems are difficult to categorize as they are often referred to as “solar farms” but have very different visual impacts than a traditional agriculture operation. Staff believes that solar energy systems, as principal land uses, could create negative visual impacts on residentially zoned districts. For this reason, the proposed ordinance does not allow for such systems in residentially zoned districts and recommends a 1,000 ft. setback adjacent to residentially zoned property.

While the proposed ordinance does give the Board of Zoning Appeals or the Board of Supervisors the ability to approve solar energy systems on land zoned General Industrial, such deliberations should keep in mind excerpts from the “Economy” chapter of the Comprehensive Plan. Goal 4 of the “Economy” chapter of the Comprehensive Plan is to “identify key sites and ensure they have the physical infrastructure and site readiness necessary to be attractive to new businesses and industries” (pg. 24). Specific policies associated with such goal are as follows:

*Policy 1: Identify Sites. Identify the best economic development sites in varying sizes which are suitably located and which have adequate land, roads, and utilities to support business and industrial development. Ensure that economic development sites are served by adequate public facilities and infrastructure so as to offer “ready sites” that are competitively attractive for investment.*

*Policy 2: Major Employment and Investment Sites. Identify and preserve Major Employment and Investment Sites for regional growth and encourage the development of these sites for high tax revenue generating uses (pg. 24).*

The proposed ordinance also gives the Board of Zoning Appeals or the Board of Supervisors the ability to approve solar energy systems in General Agriculture zoning districts. Through the use of the Public Use Overlay process for large solar energy systems, the underlying zoning of the land remains unchanged. Therefore, after the lease of the land for solar energy use has ended, the land remains in General Agriculture zoning, which is in keeping with Goal 2 Objective B of the "Land Use and Development" chapter:

*Goal 2: Maintain the county's predominantly rural character, including the small towns and villages.*

*Objective B: Provide sufficient incentives and protections for agricultural land uses so as to lose no more than 5% of the current total acreage of farmland in the Rural Conservation and Agricultural Conservation Areas over the next 20 years (pg. 47-48).*

As you can see from the explanation above, the Comprehensive Plan does not speak specifically to solar energy systems but staff believes the proposed ordinance does comply with many of the goals and objectives outlined in various chapters of the Comprehensive Plan. For that reason, staff recommends the proposed ordinance as a hybrid of the review and compilation of ordinances from other localities as well as County specific goals and objectives.

**Summary of recommendations from the March 2, 2018 Worksession:**

1. Add requirement for applicant to provide a cost benefit analysis.
2. Take out requirements for de-compaction of soils.
3. Add requirements for applicant to provide proof of interconnection agreement with utility company to which they are supplying power.
4. Public Use Overlay process with established setbacks.
5. Special Use Permit with maximum setbacks that can be decreased as a condition of the permit.
6. Groundwater monitoring

**PLANNING COMMISSION RECOMMENDATION:** Recommend approval as written with the following changes:

1. Add a requirement for applicant to provide a cost benefit analysis.
2. Take out requirement for de-compaction of soils.
3. Add requirement for applicant to provide proof of interconnection agreement with utility company to which they are supplying power.
4. For large solar energy systems, permit through the Special Use Permit process to be heard by the Board of Supervisors, requiring a 50' minimum setback from all property lines (ability for the Board of Supervisors to increase on a case by case basis) with required buffering as mandated in *Section 25-70.6 #G – Buffering* for adjacent parcels zoned residentially or along a public right of way.
5. Groundwater monitoring requirement be removed.

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**AN ORDINANCE TO AMEND  
CHAPTER 25. ZONING  
DIVISION A. IN GENERAL.  
OF THE AUGUSTA COUNTY CODE**

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to permit solar energy systems, operating as a principal land use and occupying less than one half acre of total land area, through a Special Use Permit in General Agriculture, General Business, and General Industrial zoning districts; and

WHEREAS, the Augusta County Board of Supervisors has deemed it desirable to permit solar energy systems, operating as a principal land use and occupying one half acre or more of total land area, through the Public Use Overlay in General Agriculture, General Business, and General Industrial zoning districts; and

WHEREAS, such reasonable provisions are set forth to promote and protect the public health, safety, and welfare of the community while promoting development of renewable energy resources.

NOW THEREFORE be it resolved by the Board of Supervisors for Augusta County that Division A of Chapter 25 of the Augusta County Code is amended to add Article VI.D. Solar energy system and read as follows:

**ARTICLE VI.D. Solar energy systems.**

**§ 25-70. Purpose**

**§ 25-70.1 Definitions.**

**§ 25-70.2 Applicability**

**§ 25-70.3 Uses permitted by Special Use Permit.**

**§ 25-70.4 Uses permitted in public use overlay (PUO) districts.**

**§ 25-70.5 Applications and Procedures**

**§ 25-70.6 Location, Appearance and Operation of a Project Site**

**§ 25-70.7 Safety and Construction**

**§ 25-70.8 Decommissioning**

**§ 25-70.9 Bonding**

**§ 25-70. Purpose**

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The purpose of this ordinance is to provide for the siting, development and decommissioning of solar energy systems, as a principal land use in Augusta County, subject to reasonable conditions that promote and protect the public health, safety and welfare of the community while promoting development of renewable energy resources.

#### **§ 25-70.1 Definitions.**

**Applicant** means the owner or operator who submits an application to the locality for a permit to install a solar energy system under this ordinance.

**Disturbance Zone** means the area within the site directly impacted by construction and operation of the solar energy project.

**Integrated PV** means photovoltaics incorporated into building materials, such as shingles.

**Landowner** means the person who owns all or a portion of the real property on which a solar energy project is constructed.

**Non-participating landowner** means a person who owns real property that may be affected by a solar energy project and is not under lease or other property agreement with the owner or operator of the solar energy system.

**Operator** means the person responsible for the overall operation and management of a solar energy system.

**Owner** means the person who owns all or a portion of a solar energy system.

**Photovoltaic or PV** means materials and devices that absorb sunlight and convert it directly into electricity by semiconductors.

**Rated capacity** means the maximum capacity of a solar energy project based on the sum total of each photovoltaic system's nameplate capacity.

**Site** means the area containing a solar energy system.

**Small solar energy system.** An energy conversion system, operating as a principal land use, consisting of photovoltaic panels, support structures, and associated control, conversion, and transmission hardware occupying less than one-half acre of total land area.

**Large solar energy system.** An energy conversion system, operating as a principal land use, consisting of photovoltaic panels, support structures, and associated control, conversion, and transmission hardware occupying one-half acre or more of total land area. Also known as solar energy arrays or solar energy farms.

#### **§ 25-70.2 Applicability**

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This ordinance applies to all solar energy systems, operating as principal land uses, proposed to be constructed after the effective date of this ordinance. Solar energy systems constructed prior to the effective date of this ordinance shall not be required to meet the requirements of this ordinance.

### **§ 25-70.3 Uses permitted by Special Use Permit.**

- A. **General standards applicable to all Special Use Permits.** No Special Use Permit shall be issued without consideration that, in addition to conformity with any standards set forth in this chapter for Special Use Permit uses, the following general standards will be met either by the proposal made in the application or by the proposal as modified or amended and made part of the Special Use Permit:
1. **Conformity with Comprehensive Plan and policies.** The proposal as submitted or as modified shall conform to the Comprehensive Plan of the county or to specific elements of such plan, and to official policies adopted in relation thereto, including the purposes of this chapter.
  2. **Impact on neighborhood.** The proposal as submitted or as modified shall not have undue adverse impact on the surrounding neighborhood.
- B. **Small solar energy systems** shall be permitted in General Agriculture (GA), General Business (GB), and General Industrial (GI) zoning districts subject to compliance with this article.
- C. **Standards applicable to solar energy systems permitted by Special Use Permit.**
1. **Setbacks.** All equipment and accessory structures associated with the small solar energy system shall be setback twenty five (25') feet from side and rear property lines and fifty (50') feet from the right of way of any public or private street, unless the Board of Zoning Appeals determines that a greater setback would more adequately protect adjoining land uses.
    - a. **Setback areas shall be kept free of all structures and parking lots.**
    - b. **Setbacks shall not be required along property lines adjacent to other parcels which are part of the solar energy system; however, should properties be removed from the system, setbacks must be installed along all property lines of those properties remaining within the project and which are adjacent to a parcel which has been removed.**
  2. **Ground-mounted systems shall not exceed fifteen (15) feet in height when oriented at maximum tilt.**
  3. **Site control.** The applicant shall submit documentation of the legal right to install and use the proposed system at the time of application.

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4. Solar energy systems shall meet or exceed all applicable federal and state standards and regulations.
5. Signs. No signs or advertising of any type may be placed on the small solar energy system unless required by any state or federal agency.
6. The applicant shall submit documentation that the design of any buildings and structures associated with or part of the solar energy system complies with applicable sections of the Virginia Uniform Statewide Building Code (USBC) (13VAC5-63). This requirement includes all electrical components of the solar energy system.
7. Any glare generated by the system must be mitigated or directed away from an adjoining property or from any road when it creates a nuisance or safety hazard.
8. The parcel shall have frontage on a state maintained road or the expected traffic on a legal right of way can be accommodated by the intersection with the state maintained road per approval by the Virginia Department of Transportation.

#### **§ 25-70.4 Uses permitted in public use overlay (PUO) districts.**

**Large Solar Energy Systems** shall be permitted by the designation of a Public Use Overlay (PUO) district, as permitted in ARTICLE XLIX of this chapter, through a public hearing before the board of supervisors:

1. Where the primary use of the system is electrical generation to be sold to the wholesale electricity markets and not used primarily for the onsite consumption of energy by a dwelling or commercial building.
2. A Public Use Overlay for a large solar energy system shall be permitted in General Agriculture (GA), General Business (GB), and General Industrial (GI) zoning districts.

#### **§ 25-70.5 Applications and Procedures**

In addition to the requirements of article LXVII, "Site Plan Review", article LVIII, "Special Use Permits Procedures", and article LX, "Rezoning and other Amendments," applications for a large solar energy system shall include the following information:

- A. Community Meeting

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Prior to submittal of an application, the applicant shall hold a meeting to inform the community about the planned solar energy system installation. Said meeting shall be open to the public. Notice of the date, time, and location of the meeting, as well as a contact name and phone number of the project representative and a summary of the request, shall be delivered by first class mail to all property owners as noted in the Augusta County tax records within one (1) mile of the perimeter of the project. Such notice shall be mailed so as to be delivered at least five (5) and no more than twenty-one (21) working days prior to the community

meeting. Upon conclusion of the community meeting, a mailing list of property owners notified, a sign-in sheet from the meeting, an agenda from the meetings, and a written summary of the meeting shall be included with the application.

#### **B. Project description**

A narrative identifying the applicant and describing the proposed solar energy system, including an overview of the project and its location; approximate rated capacity of the solar energy system; the approximate number, representative types and expected footprint of solar equipment to be constructed; and a description of ancillary facilities, if applicable.

#### **C. Site plan.**

The site plan shall conform to the preparation and submittal requirements of article LXVII, "Site Plan Review," including supplemental plans and submissions, and shall include the following information:

1. Property lines and setback lines.
2. Existing and proposed buildings and structures, including location(s) of the proposed solar equipment.
3. Existing and proposed access roads, drives, turnout locations, and parking.
4. Location of substations, electrical cabling from the solar systems to the substations, accessory equipment, buildings, and structures, including those within any applicable setbacks.
5. Additional information may be required, as determined by the Zoning Administrator, such as a scaled elevation view and other supporting drawings, photographs of the proposed site, photo or other realistic simulations or modeling of the proposed solar energy project from potentially sensitive locations as deemed necessary by the Zoning Administrator to assess the visual impact of the project, landscaping and screening plan, coverage map, and additional information that may be necessary for a technical review of the proposal.
6. Documentation shall include proof of control over the land or possession of the right to use the land in the manner requested. The applicant may redact sensitive financial or confidential information.

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7. The application shall include a decommissioning plan and other documents required by Section 25-70.8 of this ordinance.
8. The applicant shall provide proof of adequate liability insurance for a large solar energy system at the time of application.

### **§ 25-70.6 Location, Appearance and Operation of a Project Site**

#### **A. Visual impacts**

The applicant shall demonstrate through project siting and proposed mitigation, if necessary, that the solar project minimizes impacts on the visual character of a scenic landscape, vista, or scenic corridor.

#### **B. Ground-mounted systems shall not exceed fifteen (15) feet in height when oriented at maximum tilt.**

#### **C. Signage**

Warning signage shall be placed on solar equipment to the extent appropriate. Solar equipment shall not be used for displaying any advertising except for reasonable identification of the manufacturer or operator of the solar energy project. All signs, flags, streamers or similar items, both temporary and permanent, are prohibited on solar equipment except as follows: (a) manufacturer's or installer's identification; (b) appropriate warning signs and placards; (c) signs that may be required by a state or federal agency; and (d) signs that provide a 24-hour emergency contact phone number.

#### **D. Noise.**

Audible sound from a solar energy system shall not exceed 60 dBA (A-weighted decibels), as measured at any adjacent non-participating landowner's property line. The level, however, may be exceeded during short-term exceptional circumstances, such as severe weather.

#### **E. Setbacks.**

All equipment, accessory structures and operations associated with a large solar energy system shall be setback at least two-hundred (200) ft. from all property lines and at least 1,000 ft. from any residentially zoned properties.

- a. Setbacks shall be kept free of all structures and parking lots.
- b. Setbacks shall not be required along property lines adjacent to other parcels which are part of the solar energy system; however, should properties be removed from the system, setbacks must be installed along all property lines of those properties

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remaining within the project and which are adjacent to a parcel which has been removed.

#### F. Ocular impact study.

An ocular impact study shall be performed for airports within five miles of the project site, for public roads within sight of the system, and from scenic highways and overlooks. The analysis shall be performed using FAA Solar Glare Hazard Analysis Tool (SGHAT) to demonstrate compliance with FAA standards for measuring ocular impact.

#### G. Buffering

A buffer yard shall be provided and maintained adjacent to any property line, except those property lines interior to the solar energy system, and landscaped in one (1) of two (2) ways. If a property ceases being used for the solar energy system, buffering will be required along all property lines adjacent to the property which has been removed.

Alternative 1: A ten foot (10') wide strip of land with a six foot (6') opaque privacy fence, wall, berm or combination thereof. Opaque privacy fences shall be construction of good quality materials such as vinyl, pressure treated lumber, brick, stone, or similar materials approved by the Zoning Administrator. For the purposes of this chapter tarps, car covers tents, fabric, chain link fences with slats, or similar materials shall not be deemed to satisfy the requirements of opaque fencing.

Alternative 2: A twenty foot (20') wide strip of land with 2 evergreen trees, 2 canopy trees, 2 understory trees and 24 shrubs planted per fifty linear feet (50') of buffer. The trees shall be a minimum of six feet (6') at the time of planting and the shrubs shall be a minimum of eighteen inches (18") at the time of planting.

- A. The applicant is free to choose from Alternatives 1 or 2. Buffers planted below overhead utility lines shall apply any of the allowed buffer alternatives, except that understory trees shall replace any canopy trees at a rate of two (2) understory trees per required canopy tree.
- B. Plant and structure location within buffer. The placement of required plants and structures shall be the decision of the applicant; however, they shall be located so as to achieve the maximum level of protection. Plant material shall meet the buffer requirements every fifty feet (50'). Buffer areas not retained in native habitat shall be seeded or sodded with lawn and maintained at a height of no more than 15 inches, established with ground cover, or mulched with organic mulch. Inorganic ground cover shall not exceed fifty percent (50%) of the total required area of the buffer.
- C. Where a fence or wall is used as part of a buffer, the decorative side of the fence or wall shall be faced to the adjacent property.

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**D. Permitted structures in buffer area.**

1. Where walls are placed within any required buffer area:
  - a. No walls of exposed concrete block are permitted, whether painted or not.
  - b. The applicant shall be required to demonstrate provisions for access and maintenance of landscaping and the wall structure at the time of site plan approval.
  - c. Breaks in the wall may be provided for pedestrian and vehicular connections to adjacent developments.
  
2. Where berms are placed within any required buffer area:
  - a. A berm or combination of materials such as a berm and a fence shall be a minimum six feet (6') in height.
  - b. Berms shall have slopes of not less than three feet (3') horizontal for each one foot (1') vertical.
  - c. Slopes in excess of three feet (3') horizontal for each one foot (1') vertical may be permitted if sufficient erosion control methods are taken and deemed by the Zoning Administrator to be maintainable.
  
3. Where opaque privacy fences are placed within any required buffer area:
  - a. No reduction in buffer width shall be provided based on the provision of a chain-link fence.
  - b. Fences shall be a minimum of six feet (6') in height unless paired with a berm and in such case the combination of berm and fence shall be a minimum of six feet (6') in height.
  - c. Breaks in the fence may be provided for pedestrian and vehicular connections to adjacent developments.
  - d. Fences shall be maintained in a structurally safe and attractive condition and with finished faces located towards the adjacent property.

**E. Permitted use of buffer area. A buffer area shall not be used for anything except:**

1. Passive recreation and picnic facilities, including pedestrian and bike trails.
  
2. Other appurtenances which require high visibility and easy access, such as fire hydrants and utilities, public and emergency telephones, mail boxes, and bus shelters, or benches, are also

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permitted in a buffer. No screening of such appurtenances shall be required or permitted.

3. Access ways when necessary to provide access to adjacent properties.
4. A required buffer is encouraged to retain areas of native habitat and may incorporate water resources including stormwater management facilities. However, the minimum width of the buffer shall be preserved as a planting area and there shall be no reduction in buffer width based on the stormwater management facilities.

F. Alternative compliance. The buffer requirements may be modified by the board of supervisors upon a finding that a modification would be consistent with the purpose of this ordinance, this section, and the adopted plans and policies of the county; that such modification would not adversely affect the land use compatibility or public interest; and that the subject parcel or modified buffer complies with one (1) or more of the following criteria:

1. The buffer is parallel and adjacent to an existing utility or drainage easement of at least one hundred feet (100') in width.
2. The buffer is between uses that are to be developed under a common development plan or series of development plans.
3. The buffer is parallel and adjacent to an existing railroad right-of-way;
4. The topography of the parcel is such that buffering would not be effective;
5. The property is adjacent to an established industrial use;
6. There is existing vegetation either on this lot or the adjacent lot to provide the required buffer benefits.

Financial hardship due to meeting the requirements of this section shall not be sufficient justification for alternative compliance.

G. Site Plan. Landscaping of buffer yards shall be shown on the site plan in accordance with the standards in division J ARTICLE LXVII "Site Plan Review" and shall be provided and maintained in accordance with sound horticultural practices.

H. Fencing

All property containing panels must be enclosed with chain link fencing seven feet (7') tall, topped with barbed wire, and secured with gates.

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**A. Design**

The applicant shall submit documentation that the design of any buildings and structures associated with or part of the solar energy project complies with applicable sections of the Virginia Uniform Statewide Building Code (USBC) (13VAC5-63). This requirement includes all electrical components of the solar energy project.

**B. Construction and installation**

In the construction and installation of a large solar energy system, the owner or operator shall install all electrical wires associated with the large solar energy system underground unless the applicant can demonstrate the necessity for aboveground installations as determined by the Board of Supervisors.

**C. Ground water monitoring**

Ground water monitoring to assess the level of groundwater contamination shall take place prior to and upon completion of construction of the project throughout the area of the solar energy system. Ground water monitoring shall take place every five (5) years of the operation of the project, and upon completion of decommissioning. Results from said monitoring shall be delivered to the Virginia Department of Health, Augusta County Department of Community Development and the Augusta County Service Authority.

**D. Traffic Impact Statement and/or Analysis**

As part of the project application, the applicant shall submit a traffic impact statement. If required by the Virginia Department of Transportation, the applicant shall submit a Traffic Impact Analysis found to be in compliance with the requirements of Chapter 527 (24VAC30-155).

**§ 25-70.8 Decommissioning**

**A. Decommissioning plan**

As part of the project application, the applicant shall submit a decommissioning plan, which shall include the following: (1) the anticipated life of the project; (2) the estimated decommissioning cost in current dollars; (3) how said estimate was determined; (4) the method of ensuring that funds will be available for decommissioning and restoration; (5) the method that the decommissioning cost will be kept current; and (6) the manner in which the project will be decommissioned and the site restored.

**B. Discontinuation or Abandonment of Project**

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1. Thirty (30) days prior to such time that a large solar energy system is scheduled to be abandoned or discontinued, the owner or operator shall notify the Director of Community Development by certified U.S. mail of the proposed date of abandonment or discontinuation of operations. Any solar project that has been inoperable or unutilized for a period of 12 consecutive months shall be deemed abandoned and subject to the requirements of this section.
2. Within 365 days of the date of abandonment or discontinuation, the owner or operator shall complete the physical removal of the solar energy project and site restoration. This period may be extended at the request of the owner or operator, upon approval of the Board of Supervisors.
3. Decommissioning of discontinued or abandoned large solar energy systems shall include the following:
  - a) Physical removal of all solar energy equipment and above-ground appurtenant structures from the subject property including, but not limited to, buildings, machinery, equipment, cabling and connections to transmission lines, equipment shelters, security barriers, electrical components, roads, unless such roads need to remain to access buildings retrofitted for another purpose, or the landowner submits a request to the Board of Supervisors that such roads remain.
  - b) Below-grade structures, such as foundations, underground collection cabling, mounting beams, footers, and all other equipment installed with the system shall be removed: however, these structures may be allowed to remain if a written request is submitted by the landowners and a waiver is granted by the Board of Supervisors.
  - c) Compacted soils shall be decompacted to a depth of three (3) feet.
  - d) Restoration of the topography of the project site to its pre-existing condition, except that any landscaping or grading may remain in the after-condition if a written request is submitted by the landowner and a waiver is granted by the Board of Supervisors.
  - e) Proper disposal of all solid or hazardous materials and wastes from the site in accordance with local, state, and federal solid waste disposal regulations.

#### **§ 25-70.9 Bonding**

Prior to the issuance of a Building Permit for a solar energy system which requires a Public Use Overlay (PUO) designation, the applicant shall:

- A. Submit to the Zoning Administrator an itemized cost estimate of the work to be done to completely remove the entire solar energy system plus twenty-five percent (25%) of said estimated costs as a

11/6/2017

11/20/2017

12/7/2017

12/27/2017

1/12/2018 (Last Revised Date)

reasonable allowance for administrative costs, inflation, and potential damage to existing roads or utilities.

- B. Submit a bond, irrevocable Letter of Credit, or other appropriate surety acceptable to the County in the amount of the estimate as approved by the Zoning Administrator shall:
1. Secure the cost of removing the system and restoring the site to its original condition to the extent reasonably possible; and
  2. Include a mechanism for a Cost of Living Adjustment after ten (10) and fifteen (15) years.
- C. The applicant will ensure the bond, irrevocable Letter of Credit, or other surety shall remain in full force and effect until the Community Development Department has inspected the site and verified that the solar energy system has been removed. At which time the Community Development Department shall promptly release the bond, irrevocable Letter of Credit, or other surety.



CONVENE CLOSED SESSION

March 26, 2018

(In) MOTION: \_\_\_\_\_ SECOND: \_\_\_\_\_ VOTE: \_\_\_\_\_

(Out) \_\_\_\_\_

(Certify) \_\_\_\_\_

I move that the Board of Supervisors of Augusta County convene in closed session pursuant to:

(1) the personnel exemption under Virginia Code § 2.2-3711(A) (1) [discussion, consideration or interviews of (a) prospective candidates for employment, or (b) assignment, appointment, promotion, performance, demotion, salaries, disciplining or resignation of specific employees]:

- a) County Administrator
- b) County Attorney
- c) Board and Commissions

(2) the economic development exemption under Virginia Code § 2.2-3711(A) (5) [discussion concerning a prospective business or industry or the expansion of an existing business or industry where no previous announcement has been made of its interest in locating or expanding its facilities in the county]:

- a) Proposed Office space, flex space, storage facilities, manufacturing facilities, utility and mixed use development



**ADVANCED  
A G E N D A**

**REGULAR MEETING OF THE AUGUSTA COUNTY BOARD OF SUPERVISORS**

WEDNESDAY, MARCH 28, 2018, at 7:00 p.m.

**Board Meeting Room, Government Center, Verona, VA**

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| ITEM NO.                       | DESCRIPTION   |
|--------------------------------|---|
| <b>7:00 P.M.</b>               | <b>PLEDGE OF ALLEGIANCE</b>   |
|                                | <b>INVOCATION</b> - Public participation is optional; those who wish to join the Board of Supervisors in prayer are asked to remain standing after the Pledge.  |
|                                | <b><u>**NATIONAL COLORECTAL CANCER AWARENESS MONTH PROCLAMATION**</u></b>   |
| <b><u>PUBLIC HEARINGS:</u></b> |   |
| 3-09                           | <b><u>AUGUSTA COUNTY CODE SECTION 25-77.4 – AMENDMENT</u></b><br>Consider an ordinance to amend Section 25-77.4 of the Augusta County Code to add stepchild, sibling, and grandparent as members of the immediate family to which a grantor may convey a lot that does not have frontage on a public street provided the conditions of Section 25-77.4.B are met. The Planning Commission recommends approval.  |
| 3-10                           | <b><u>AUGUSTA COUNTY CODE SECTION 25-71.1 – AMENDMENT</u></b><br>Consider an ordinance to amend Section 25-71.1 of the Augusta County Code to clarify that an agricultural operation is any operation devoted to the bona fide production of crops, animals, or fowl including the production of fruits and vegetable of all kinds; meat, dairy, and poultry products; nuts, tobacco, nursery, and floral products; and the production and harvest of products from silviculture activity; but shall not include the processing of agricultural or silvicultural products. The Planning Commission recommends approval with the extraction. |
| 3-11                           | <b><u>AUGUSTA COUNTY CODE SECTION 25-33 – AMENDMENT</u></b><br>Consider an ordinance to amend Section 25-33 of the Augusta County Code to reference compliance with Chapter 9. Environment for parking facilities. The Planning Commission recommends approval.   |
| 3-12                           | <b><u>AUGUSTA COUNTY CODE SECTION 25-673 - AMENDMENT</u></b><br>Consider an ordinance to amend Section 25-673 of the Augusta County Code to reference compliance with Chapter 9. Environment. The Planning Commission recommends approval.  |

3-13 **AUGUSTA COUNTY CODE SECTION 25-20 - AMENDMENT**

Consider an ordinance to amend Section 25-20 of the Augusta County Code to clarify that public utility distribution, transmission and collection lines for the furnishing of utility services to the public, rather than specifically for local service, shall be permitted in all districts. The Planning Commission recommends approval with change in wording.

3-14 **AUGUSTA COUNTY CODE SECTIONS 25-68.7 & 25-68.8 - AMENDMENT**

Consider an ordinance to amend Sections 25-68.7 & 25-68.9 of the Augusta County Code to clarify removal of telecommunications facilities, including the concrete pad is required to a depth of at least three feet below grade. The Planning Commission recommends approval.

3-15 **AUGUSTA COUNTY CODE SECTION 25-74.H – AMENDMENT**

Consider an ordinance to amend Section 25-74.H of the Augusta County Code to remove bed and breakfasts, tourist homes, restaurants and cafes, special event facilities, meeting places, boarding houses and residential care facilities from the public accommodation facilities permitted in agriculture zones by Special use Permit, revise direct access condition, create additional conditions for traffic flow, compatibility with neighboring properties, reasonable limitations on enlargement unless determined compatible with neighboring properties, evidence of connection to public sewer or approval by the Virginia Department of Health, and protections for fire, environmental and other hazards. The Planning Commission recommends approval.

3-16 **AUGUSTA COUNTY CODE SECTION 25-74.I -- AMENDMENT**

Consider an ordinance to amend Section 25-74.I of the Augusta County Code to add restaurants and cafes to the list of limited business and industries permitted in agriculture zones by Special Use Permit, revise direct access condition, eliminate condition that the use be a substantial benefit to neighboring properties, and add reference to the Virginia Department of Health for sewer conditions. The Planning Commission recommends approval.

3-17 **AUGUSTA COUNTY CODE – ORDINANCE TO ADD SECTION 25-74.R**

Consider an ordinance to add Section 25-74.R of the Augusta County Code to create a separate category for such uses to be permitted in agriculture zones by Special Use Permit with the following conditions: there shall be no more than 1 principal dwelling or part thereof, operating as such use per parcel; there shall be no more than 1 accessory unit operating as such use per parcel; the lot is at least 5 acres in area unless determined that a smaller acreage will be compatible with neighboring properties; the owner of record's primary residence is the principal dwelling or accessory; Building Inspection Department approval; Virginia Department of Health approval if not connected to public sewer; and all parking shall be accommodated on-site. The Planning Commission recommends approval.

- 3-18      **AUGUSTA COUNTY CODE – ORDINANCE TO ADD SECTION 25-74.S**  
Consider an ordinance to add Section 25-74.S of the Augusta County Code to create a separate category for such use to be permitted in agriculture zones by Special Use Permit with the following conditions: appropriate for agriculture areas, compatible with neighboring properties, will not result in a concentration of businesses, frontage on a state maintained road or approval by VDOT of the intersection of a legal right of way and the state maintained road, pre-existing structures to be utilized unless new construction determined compatible with neighboring properties, Virginia Department of Health approval if not connected to public sewer, adequate provisions for protection of fire, environmental and other hazards and if applicable, compliance with state, federal, local licensing and/or regulations. The Planning Commission recommends approval.
- 3-19      **AUGUSTA COUNTY CODE – ORDINANCE TO ADD SECTION 25-74.T**  
Consider an ordinance to add Section 25-74.T of the Augusta County Code to create a separate category for such use to be permitted in agriculture zones by Special Use Permit with the following conditions: appropriate for agriculture areas, compatible with neighboring properties, will not result in a concentration of businesses, frontage on a state maintained road or approval by VDOT of the intersection of a legal right of way and the state maintained road, pre-existing structures to be utilized unless new construction determined compatible with neighboring properties, reasonable limitation on expansions unless determined compatible with neighboring properties, Virginia Department of Health approval if not connected to public sewer, and adequate provisions for protection of fire, environmental and other hazards. The Planning Commission recommends approval.
- 3-20      **AUGUSTA COUNTY CODE – CHAPTER 25 DIVISION A – AMENDMENT**  
Consider an ordinance to amend Chapter 25 of the Augusta County Code to add Article VI.D Solar energy systems. The proposed ordinance regulates solar energy systems operating as principal land uses. The Planning Commission recommends approval as written with recommendations.
- 3-21      **VERONA ELEMENTARY SCHOOL**  
This being the day and time advertised to consider the sale of real estate (Verona Elementary School) owned by the County of Augusta.

**\*\* (END OF PUBLIC HEARINGS) \*\***

3-22      **MATTERS TO BE PRESENTED BY THE PUBLIC**

3-23      **AGRICULTURE INDUSTRY BOARD FUND REQUEST (SEE ATTACHED)**

Consider request from the Agriculture Industry Board to transfer \$5,160.00 to the Market Animal Show and Sale to use in operating the 2018 event.

3-24      **RECREATION MATCHING GRANT REQUEST**

Consider funding to assist with Phase 1 of the development of a new Primary Playground at Cassell Elementary School.

Funding Source: Wayne P&R Infrastructure      80000-8027-44 \$15,000.00  
Middle River P&R Infrastructure 80000-8022-51 \$15,000.00

3-25      **WATERSHED PROJECT CLOSEOUTS**

Consider the South River and Upper North River Watershed project closeouts.

3-26      **WAIVERS**

3-27      **MATTERS TO BE PRESENTED BY THE BOARD**

3-28      **MATTERS TO BE PRESENTED BY STAFF**



**PROCLAMATION  
March Colon Cancer Awareness Month**

WHEREAS, the county of Augusta, Virginia celebrates month of March as Colon Cancer Awareness to bring greater awareness to colon cancer; and

WHEREAS, colon cancer is the second leading cause of cancer death in the United States; and

WHEREAS, 1 in 20 people will develop colon cancer and every 10 minutes a life is lost to the disease; and

WHEREAS, this year alone, 142,000 new cases of colon and rectal cancer will be diagnosed in America and nearly 50,000 deaths are expected; and

WHEREAS, a simple screening test is recommended to individuals over age 50 and those with a family history to help combat the disease; and

WHEREAS, the county of Augusta, Virginia has joined with the Colon Cancer Alliance to increase screening and save lives in Augusta, Virginia and across the country; and

WHEREAS, education and increased awareness can help inform the public of methods of prevention and the early detection of colon cancer; and

WHEREAS, through recommended screenings, this cancer can be caught early when treatment is most effective; and

WHEREAS, declaration of the Month of March as Colon Cancer Awareness Month will help bring greater awareness to the disease and the importance of being screened; and

**NOW THEREFORE, The Augusta County Supervisors, do hereby proclaim March 2018 as Colon Cancer Awareness Month in the county of Augusta, Virginia and encourage all individuals to work together to promote awareness and understanding of colon cancer and the need for screening to eradicate the disease.**

Adopted: March 28, 2018

\_\_\_\_\_  
Chairman, Augusta County Board of Supervisors





Virginia Cooperative Extension  
Augusta County Office  
13 Government Center Lane  
P.O. Box 590  
Verona, Virginia 24482  
540-245-5750, Fax 540-245-5752

March 12, 2018

Mr. Gerald Garber  
Chairman, Augusta County Board of Supervisors  
P.O. Box 590  
Verona, VA 24482

Dear Chairman Garber:

The Agriculture Industry Board would like to provide \$5,160 from their budget, to the Augusta County Market Animal Show and Sale to use in operating the 2018 event.

The Agriculture Industry Board asks that the Board of Supervisors consider their request at their convenience. Thank you.

On behalf of the Agriculture Industry Board,

Matt Booher, Extension Agent, Virginia Cooperative Extension  
Advisor to the Agriculture Industry Board

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