



**BATH COUNTY PLANNING COMMISSION  
AGENDA**

**BATH COUNTY COURTHOUSE  
Room 115– 6:00 P.M.  
Monday, January 27, 2025**

1. Call to Order
2. Acknowledge Public in Attendance
3. Election of Officers
4. Public Comment – Matters Unrelated to the Agenda
5. Additions and Corrections to Agenda
6. Public Hearing(s):  
None.
7. Chairman’s Report
8. Staff Report
9. Old Business:
10. New Business:
  - Capital Improvement Plan – set date for public hearing
  - Daniel Plecker, BARC – discussion on capacity and upgrades
11. Approve Minutes of October 28, 2024 meeting
12. Adjourn

# Planning and Zoning

12/5/2024 – 1/7/2025

## Tax Maps

- Progress being made with tax map revisions

## Zoning/Planning Issues

- Followed up on complaint of a steer on residential property; steer soon being taken to be slaughtered by the owner
- Met with individuals regarding Deerlick subdivision and concerns/thoughts on development
- Correspondence with BARC regarding limited capacity in the Hot Springs area; scheduling a meeting with BARC in the near future
- Discussion and correspondence on vacation of plat – discussions with County Attorney
- Met with individual a couple times regarding property and right of way questions
- Researched Crooked Spur property owned by Bath County for County Administrator
- Fielded questions regarding placement of tiny house or singlewide in residential property
- Fielded questions regarding replacement signage for nursing home
- Spoke with MGW representative regarding fiber into Deerlick
- Met with representative of BARC regarding setting up meeting to discuss electrical capacity
- Correspondence fielding questions regarding Capital Improvement Plan submission

- Received inquiry if property would meet County’s regulations for open-space easement
- Board of Supervisors held public hearing on Section 18-16 Civil/Criminal Penalties – Zoning; Board will vote on January 14, 2024
- Worked on budget

**Meetings**

- Attended Bath Highland Network Authority PMT conference call
- Attended Rural Transportation Technical Committee conference call with CSPDC
- Attended Workforce Housing Investment Program webinar – Bath County would need to have a business with 50 new jobs (Bath is a single distress locality) in order to be eligible
- Attended Board of Supervisors meeting

**Permits and Fees**

|                                   |         |
|-----------------------------------|---------|
| YTD permits issued 2024 .....     | 132     |
| Monthly permits issued 2025 ..... | 1       |
| Monthly permits issued 2024 ..... | 5       |
| Monthly:                          |         |
| Construction .....                | 4       |
| Subdivision .....                 | 1       |
| Erosion & Sediment .....          | 1       |
| Fees collected.....               | \$95.00 |

**Bath County Capital Improvement Plan 2025 - 2030**

| <i>Department/Project</i>            | <i>FY 25-26</i> | <i>FY 26-27</i> | <i>FY 27-28</i> | <i>FY 28-29</i> | <i>FY 29-30</i> |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Burnsville Fire Department</b>    |                 |                 |                 |                 |                 |
| Replace Mini-pumper                  |                 | 325,000         |                 |                 |                 |
| <b>Sub-Total:</b>                    | 0               | 325,000         | 0               | 0               | 0               |
| <b>Hot Springs Fire Department</b>   |                 |                 |                 |                 |                 |
| Replace Engine 2                     |                 |                 |                 |                 | 450,000         |
| <b>Sub-total:</b>                    | 0               | 0               | 0               | 0               | 450,000         |
| <b>Hot Springs Rescue Squad</b>      |                 |                 |                 |                 |                 |
| Replace Rescue 6                     | 425,000         |                 |                 |                 |                 |
| <b>Sub-total:</b>                    | 425,000         | 0               | 0               | 0               | 0               |
| <b>Millboro Fire Department</b>      |                 |                 |                 |                 |                 |
| Replace Brush/Mini 26                |                 |                 |                 | 325,000         |                 |
| <b>Sub-total:</b>                    | 0               | 0               | 0               | 325,000         | 0               |
| <b>Williamsville Fire Department</b> |                 |                 |                 |                 |                 |
| Replace Brush 35                     |                 |                 | 175,000         |                 |                 |
| Replace Engine 36                    |                 |                 |                 | 250,000         |                 |
| <b>Sub-Total:</b>                    | 0               | 0               | 175,000         | 250,000         | -               |

| <i>Department/Project</i>   | <i>FY 25-26</i> | <i>FY 26-27</i> | <i>FY 27-28</i> | <i>FY 28-29</i> | <i>FY 29-30</i> |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Bath County Public Schools</b>   |                 |                 |                 |                 |                 |
| School Entrances - MES, VES, BCBS<br>(Security - Vestibules)                              | 350,000         |                 |                 |                 |                 |
| Football Field Lighting Replacement<br>(also consider baseball & softball field lighting) | 373,018         |                 |                 |                 |                 |
| 65 Passenger Diesel Bus   |                 | 152,100         |                 |                 |                 |
| Ditch Improvement along Rt 220 in front of BCBS   |                 | 110,000         |                 |                 |                 |
| BCBS Field House (locker rooms, weight<br>room, restrooms, concessions)                   |                 |                 | 460,000         |                 |                 |
| <b>Sub-Total:</b>   | <b>723,018</b>  | <b>262,100</b>  | <b>460,000</b>  | <b>0</b>        | <b>0</b>        |

|  | <i>FY 25-26</i>  | <i>FY 26-27</i> | <i>FY 27-28</i> | <i>FY 28-29</i> | <i>FY 29-30</i> |
|--|------------------|-----------------|-----------------|-----------------|-----------------|
| <b>TOTAL OF REQUESTS:</b>                | <b>1,148,018</b> | <b>587,100</b>  | <b>635,000</b>  | <b>325,000</b>  | <b>450,000</b>  |
| <b>FUNDING COMMITTED:</b>                |                  |                 |                 |                 |                 |
| (None at this time)                      |                  |                 |                 |                 |                 |
| =====                                    |                  |                 |                 |                 |                 |
| <b>TOTAL REQUESTS/COMMITTED FUNDING:</b> | <b>1,148,018</b> | <b>587,100</b>  | <b>635,000</b>  | <b>325,000</b>  | <b>450,000</b>  |

*Just to note that the Service Authority did not make any request this year.*

**Projects in the past included:**

39 East Well Project (\$407,050), Chimney Run Water Line Extension (\$569,600), Wastewater Land Acquisition (\$230,000), West Warm Springs Water Tank Upgrade (\$364,000), and Warm Springs to Bacova Sewer Improvements (\$6,022,240)

# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department/Activity <span style="float: right;">Hot Springs Rescue Squad</span>  |  |         |         |         |         |         |            |    |    |    |    |
|--|--|---------|---------|---------|---------|---------|------------|----|----|----|----|
| 1. Project title:<br>Replacement of Rescue 6   | 2. Priority # <u>  1  </u> of <u>  1  </u>   |         |         |         |         |         |            |    |    |    |    |
| <i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i>                  |  |         |         |         |         |         |            |    |    |    |    |
| 3. Project Description/Location (Please note service area and magisterial district):<br>Primary EMS agency for the Eastern side of the county with second due being the remainder of the county  |  |         |         |         |         |         |            |    |    |    |    |
| 4. Project Justification and/or Objectives:<br>Rescue 6 is a 2002 Ford ambulance, as a means of response to emergency medical calls, a more reliable ambulance with less age and mileage is needed.  |  |         |         |         |         |         |            |    |    |    |    |
| 5. Status of Project, Plans, Specifications, etc.<br><b>Planning</b>   |  |         |         |         |         |         |            |    |    |    |    |
| 6. Required Permits or Approval:<br><b>Only Virginia Office of EMS</b>   |  |         |         |         |         |         |            |    |    |    |    |
| 7. Anticipated Start Date of Project: <u>2025/2026 fiscal year</u>   |  |         |         |         |         |         |            |    |    |    |    |
| 8. Anticipated Time of Construction or Anticipated Completion Date of Project:<br><b>Dependent on construction time frame and any units ahead of Hot Springs</b>   |  |         |         |         |         |         |            |    |    |    |    |
| 9. Department Priority (see instructions for Completing Capital Request Form):<br><input checked="" type="checkbox"/> Urgent<br><input type="checkbox"/> Necessary<br><input type="checkbox"/> Desirable   | Please explain department priority: _____<br>2002 Ford ambulance has age and miles.<br>A more dependable vehicle is needed for EMS response.<br>_____<br>_____<br>_____<br>(use additional sheet if necessary)   |         |         |         |         |         |            |    |    |    |    |
| 10. Total Estimated <b>Capital</b> Costs*:<br>Planning/Engineering/Legal \$ _____<br>Land/Right-of-way \$ _____<br>Construction \$ <u>425,000</u><br>Equipment/Furniture \$ _____<br>Other \$ _____<br>(Explain other \$: _____<br>_____<br>_____<br>Total Capital Project Cost <u>  \$425,000  </u><br>*Use dollar amounts* | 11. Total Estimated <b>Annual</b> Operating Costs per year*:<br><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">FY25-26</th> <th style="padding: 5px;">FY26-27</th> <th style="padding: 5px;">FY27-28</th> <th style="padding: 5px;">FY28-29</th> <th style="padding: 5px;">FY29-30</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">\$ 425,000</td> <td style="padding: 5px;">\$</td> <td style="padding: 5px;">\$</td> <td style="padding: 5px;">\$</td> <td style="padding: 5px;">\$</td> </tr> </tbody> </table><br>*Explain all savings, revenues, and trade-ins: _____<br>_____<br>_____<br>_____<br>(Use additional sheet if necessary) | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$ 425,000 | \$ | \$ | \$ | \$ |
| FY25-26  | FY26-27  | FY27-28 | FY28-29 | FY29-30 |         |         |            |    |    |    |    |
| \$ 425,000   | \$   | \$      | \$      | \$      |         |         |            |    |    |    |    |

12. Cost Summary:

|              | FY 25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | TOTAL   |
|--------------|----------|---------|---------|---------|---------|---------|
| County       | 425,000  |         |         |         |         | 425,000 |
| State        |          |         |         |         |         |         |
| Federal      |          |         |         |         |         |         |
| Other        |          |         |         |         |         |         |
| <b>TOTAL</b> | 425,000  |         |         |         |         | 425,000 |

FY2025-2030

Recommended method(s) of financing:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Current Revenue | <input type="checkbox"/> Capital Reserve Fund |
| <input type="checkbox"/> Revenue Bond               | <input type="checkbox"/> Grant (type)         |
| <input type="checkbox"/> General Obligation         | <input type="checkbox"/> Loan (type)          |
| <input type="checkbox"/> Special Assessment         |   |

Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no

If yes, how many years could be expected? 15 years

14. If this is a replacement, will this equipment be more cost effective? Explain how:

Yes, a newer model will require less repairs and is more efficient

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?

YES

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered)

Page 10-6 Goals: 1,2 and 5; Objectives: a

17. Please attach a map showing the location of the project, if applicable.

*Planning Commission Use Only*

**Note: #15 and #16 REQUIRED**



## **Bath County Public Schools**

*P.O. Box 67*

*Warm Springs, VA 24484*

*Phone: 540-839-2722 • Fax: 540-839-3040 • Website: [www.bath.k12.va.us](http://www.bath.k12.va.us)*

January 10, 2025

Sherry Ryder  
County Planner  
P.O. Box 309  
Warm Springs, VA 24484

Dear Mrs. Ryder:

The School Board, at their regular meeting on January 9, 2025, approved the Capital Improvement Plan FY2025-2030 with two items being their top #1 priorities:

- School Entrances Security Vestibules at all three schools, and
- the Lighting Replacement on the BCHS Football Field.

Enclosed please find the FY2025-2030 CIP for Bath County Public Schools. Please contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jerry G. Jessee".

Jerry G. Jessee, Ed.D.  
Division Superintendent

JGJ:prc

Enclosure: CIP Request for FY2025-2030  
c: Mr. Mike Bender, County Administrator



# PROPOSED CAPITAL IMPROVEMENT PLAN REQUESTS

## FY2025-2026 through FY2029-2030

School Board Approved: January 9, 2025

| PRIORITY | PROJECT  | FY2025-26            | FY2026-27            | FY2027-28            | FY2028-29 | FY2029-30 |
|----------|--|----------------------|----------------------|----------------------|-----------|-----------|
| 1        | School Entrances - MES, VES, BCHS (Security - Vestibules)            | \$350,000 (estimate) |                      |                      |           |           |
| 1        | Football Field Lighting Replacement                                  | \$373,018 (12/12/24) |                      |                      |           |           |
|          | 65-Passenger 2026 Blue Bird Diesel Powered School Bus                |                      | \$152,109            |                      |           |           |
|          | Ditch Improvement along Rt.220 in front of BCHS                      |                      | \$110,000 (10/26/23) |                      |           |           |
|          | BCHS Field House (locker rooms, weight room, restrooms, concessions) |                      |                      | \$460,000 (estimate) |           |           |
|          |  |                      |                      |                      |           |           |
|          |  |                      |                      |                      |           |           |
|          |  |                      |                      |                      |           |           |

# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department / Activity: <b>Bath County Public Schools</b>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
|--|-------------------------------------|---------|---------------------|---------|--------------|------------------|-----------------------|-------|-------|-------|-------------------|-------|-----------------------------------|------------------|--|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 1. Project Title: <b>School Entrances, Security-Vestibules</b>   | 2. Priority #: <b>1</b> of <b>2</b> |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p><i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i></p>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>3. Project Description / Location (Please note Service Area and Magisterial District):<br/> <b>Bath County High School, Millboro Elementary, and Valley Elementary Schools</b></p>  |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>4. Project Justification and/or Objectives:<br/> <i>This project aims to increase school security to benefit both our students and staff. School entry vestibules are common throughout the Commonwealth and nation. These spaces serve as an extra layer of protection once outside people are buzzed into the school building. The security vestibule limits direct access to academic wings, cafeterias, and common spaces where students are present. Once a person is buzzed into a building, he or she only has access to the vestibule. Any further access would be only granted directly by building staff.</i></p>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>5. Status of Project, Plans, Specifications, etc.:<br/> <i>The division has developed plans that would allow these security vestibules to be created in each of our three schools. This project would require key-fob access locks on existing doors to academic wings. Additional doors with key-fob access would also be needed to enclose the vestibule. Further windows from the vestibule would be added to school resource officer offices. Software would be needed to control the doors. Staff would have key fobs to gain access throughout the building.</i></p>  |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>6. Required Permits or Approval:<br/> <i>No permits would be required, but the division would have to work closely with the fire marshal to approve building entry changes.</i></p>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>7. Anticipated Start Date of Project: <b>July 1, 2025</b></p>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>8. Anticipated Time of Construction or Anticipated Completion Date of Project:<br/> <b>November 1, 2025</b></p>   |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>9. Department Priority (see instructions for completing Capital Request Form):<br/> <input checked="" type="checkbox"/> Urgent<br/> <input type="checkbox"/> Necessary<br/> <input type="checkbox"/> Desirable<br/>         Please explain department priority: (use additional sheet if necessary) _____<br/> <b><i>This project is our top CIP project with regard to priority due to its focus on student safety.</i></b></p>  |                                     |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>10. Total Estimated Capital Costs*:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Planning/Engineering/Legal</td> <td style="width: 20%; text-align: right;">\$</td> </tr> <tr> <td>Land / Right-of-Way</td> <td style="text-align: right;">\$</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;"><b>\$350,000</b></td> </tr> <tr> <td>Equipment / Furniture</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Other</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Explain Other \$:</td> <td style="text-align: right;">_____</td> </tr> <tr> <td><b>Total Capital Project Cost</b></td> <td style="text-align: right;"><b>\$350,000</b></td> </tr> </table> <p><small>*Use Dollar Amounts*</small></p> | Planning/Engineering/Legal          | \$      | Land / Right-of-Way | \$      | Construction | <b>\$350,000</b> | Equipment / Furniture | _____ | Other | _____ | Explain Other \$: | _____ | <b>Total Capital Project Cost</b> | <b>\$350,000</b> | <p>11. Total Estimated Annual Operating Costs per year:*</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">FY25-26</th> <th style="width: 20%;">FY26-27</th> <th style="width: 20%;">FY27-28</th> <th style="width: 20%;">FY28-29</th> <th style="width: 20%;">FY29-30</th> </tr> </thead> <tbody> <tr> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> </tr> </tbody> </table> <p>*Explain all Savings, Revenues, and Trade-Ins:<br/>         \$ N/A</p> <p>(use additional sheet if necessary)</p> | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$ N/A | \$ N/A | \$ N/A | \$ N/A | \$ N/A |
| Planning/Engineering/Legal   | \$                                  |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| Land / Right-of-Way  | \$                                  |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| Construction   | <b>\$350,000</b>                    |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| Equipment / Furniture  | _____                               |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| Other  | _____                               |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| Explain Other \$:  | _____                               |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| <b>Total Capital Project Cost</b>  | <b>\$350,000</b>                    |         |                     |         |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| FY25-26  | FY26-27                             | FY27-28 | FY28-29             | FY29-30 |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |
| \$ N/A   | \$ N/A                              | \$ N/A  | \$ N/A              | \$ N/A  |              |                  |                       |       |       |       |                   |       |                                   |                  |  |         |         |         |         |         |        |        |        |        |        |

12. Cost Summary:

|              | FY25-26          | FY26-27 | FY27-28 | FY28-29 | FY29-30 | TOTAL            |
|--------------|------------------|---------|---------|---------|---------|------------------|
| County       | \$350,000        |         |         |         |         | \$350,000        |
| State        |                  |         |         |         |         |                  |
| Federal      |                  |         |         |         |         |                  |
| Other        |                  |         |         |         |         |                  |
| <b>TOTAL</b> | <b>\$350,000</b> |         |         |         |         | <b>\$350,000</b> |

FY2025-2030

Recommended method(s) of financing:

Current Revenue  \_\_\_\_\_      Capital Reserve Fund  \_\_\_\_\_  
 Revenue Bond \_\_\_\_\_      Grant (type) \_\_\_\_\_  
 General Obligation \_\_\_\_\_      Loan (type) \_\_\_\_\_  
 Special Assessment \_\_\_\_\_  
 Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no  
 If yes, how many years could be expected? 25+ years

14. If this is a replacement, will this equipment be more cost effective? Explain how:  
 N/A

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?  
 YES

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered.)  
*Objectives C and D – Promote a safe and respectful environment that is conducive to teaching and to learning and continue to upgrade existing facilities at schools to provide for long-term viability and avoid crisis points.*

17. Please attach a map showing the location of the project, if applicable.

**Planning Commission Use Only**

# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department / Activity: <b>Bath County Public Schools</b>   |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
|--|-------------------------------------|---------|---------------------|---------|--------------|----|-----------------------|----|-------|------------------|-------------------|--|---|--|----------------------------|------------------|---|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|
| 1. Project Title: <b>Football Lighting Replacement</b>   | 2. Priority #: <b>1</b> of <b>2</b> |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| <p><i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i></p>   |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 3. Project Description / Location (Please note Service Area and Magisterial District):<br><b>Bath County High School - Replace original BCHS football field lighting.</b>  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 4. Project Justification and/or Objectives:<br><b>Energy savings and availability of replacement bulbs. Replacement bulbs are no longer available and we will not be able to have a functioning football field without replacement in the near future.</b>   |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 5. Status of Project, Plans, Specifications, etc.:<br><b>Plans and Specifications for the football field have been developed.</b>  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 6. Required Permits or Approval:<br><b>Yes, permits would be necessary for this project.</b>   |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 7. Anticipated Start Date of Project: <b>July 1, 2025</b>  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 8. Anticipated Time of Construction or Anticipated Completion Date of Project:<br><b>September 30, 2025 (3 months)</b>   |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 9. Department Priority (see instructions for completing Capital Request Form):<br><input checked="" type="checkbox"/> Urgent<br><input type="checkbox"/> Necessary<br><input type="checkbox"/> Desirable<br>Please explain department priority: (use additional sheet if necessary) _____<br><b>This project is our top CIP project with regard to priority due to its focus on student safety.</b>  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| 10. Total Estimated Capital Costs*: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Planning/Engineering/Legal</td> <td style="width: 20%; text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Land / Right-of-Way</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Construction</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Equipment / Furniture</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Other</td> <td style="text-align: right;"><b>\$373,018</b></td> </tr> <tr> <td colspan="2">Explain Other \$:</td> </tr> <tr> <td colspan="2"><b>Lights and installation. This amount is for the Football field only.</b></td> </tr> <tr> <td>Total Capital Project Cost</td> <td style="text-align: right;"><b>\$373,018</b></td> </tr> </table> <p><small>*Use Dollar Amounts*</small></p> | Planning/Engineering/Legal          | \$      | Land / Right-of-Way | \$      | Construction | \$ | Equipment / Furniture | \$ | Other | <b>\$373,018</b> | Explain Other \$: |  | <b>Lights and installation. This amount is for the Football field only.</b> |  | Total Capital Project Cost | <b>\$373,018</b> | 11. Total Estimated Annual Operating Costs per year:* <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">FY25-26</th> <th style="width: 20%;">FY26-27</th> <th style="width: 20%;">FY27-28</th> <th style="width: 20%;">FY28-29</th> <th style="width: 20%;">FY29-30</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">\$N/A</td> <td style="text-align: center;">\$N/A</td> <td style="text-align: center;">\$N/A</td> <td style="text-align: center;">\$N/A</td> <td style="text-align: center;">\$N/A</td> </tr> </tbody> </table> <p style="margin-top: 10px;">*Explain all Savings, Revenues, and Trade-Ins:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>(use additional sheet if necessary)</p> | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$N/A | \$N/A | \$N/A | \$N/A | \$N/A |
| Planning/Engineering/Legal   | \$                                  |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Land / Right-of-Way  | \$                                  |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Construction   | \$                                  |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Equipment / Furniture  | \$                                  |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Other  | <b>\$373,018</b>                    |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Explain Other \$:  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| <b>Lights and installation. This amount is for the Football field only.</b>  |                                     |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| Total Capital Project Cost   | <b>\$373,018</b>                    |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| FY25-26  | FY26-27                             | FY27-28 | FY28-29             | FY29-30 |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |
| \$N/A  | \$N/A                               | \$N/A   | \$N/A               | \$N/A   |              |    |                       |    |       |                  |                   |  |   |  |                            |                  |   |         |         |         |         |         |       |       |       |       |       |

12. Cost Summary:

|              | FY25-26          | FY26-27 | FY27-28 | FY28-29 | FY29-30 | TOTAL            |
|--------------|------------------|---------|---------|---------|---------|------------------|
| County       | \$373,018        |         |         |         |         | \$373,018        |
| State        |                  |         |         |         |         |                  |
| Federal      |                  |         |         |         |         |                  |
| Other        |                  |         |         |         |         |                  |
| <b>TOTAL</b> | <b>\$373,018</b> |         |         |         |         | <b>\$373,018</b> |

FY2025-2030

Recommended method(s) of financing:

Current Revenue  Revenue Bond \_\_\_\_\_  
 General Obligation \_\_\_\_\_  
 Special Assessment \_\_\_\_\_  
 Capital Reserve Fund  Grant (type) \_\_\_\_\_  
 Loan (type) \_\_\_\_\_  
 Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no  
 If yes, how many years could be expected? 25+ years

14. If this is a replacement, will this equipment be more cost effective? Explain how:  
*Yes, energy savings. Move to LED lighting. Replacement bulbs are no longer available.*

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?  
**YES**

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered.)  
*Chapter 9 – Education. Objective D – Continue to upgrade existing facilities (at Bath County High School) to provide for long-term viability and avoid crisis points.*

17. Please attach a map showing the location of the project, if applicable.

**Planning Commission Use Only**

# Quote

Date: 12/12/24

Project: Bath County High School Football  
Hot Springs, VA  
Project #: 209487

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Sourcewell

Master Project: 199030, Contract Number: 041123-MSL, Expiration: 06/16/2027  
Category: Sports lighting with related supplies and services

DEC 17 2024

All purchase orders should note the following:  
Sourcewell purchase – Contract Number: 041123-MSL

BATH COUNTY PUBLIC SCHOOLS  
OFFICE OF THE SUPERINTENDENT

Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.  
Formal Scope of work to follow later.

### Football 360'x160' Quotation Price – Materials Delivered to Job Site and Installation

|  |                     |
|--|---------------------|
| Sourcewell Materials Cost (360'x160' 30 FC 120' Setbacks Field Size Used from Sourcewell Price List) ..... | \$251,803.00        |
| 5% Windspeed Adder to increase to 115 mph .....  | \$12,590.00         |
| Musco Materials Discount .....   | (\$68,696.00)       |
| Installation and Demo of existing Poles .....  | \$175,281.00        |
| <b>Total Materials and Installation .....</b>  | <b>\$370,978.00</b> |
| Adder for Bonding (If required).....   | \$2,040.00          |

- Price includes Showlight Controls and (2) Additional Fixtures to light the practice area.
- Demo of the Existing Poles including (3) lighting the Practice area included as well.

373,018

### Light-Structure System™ with Total Light Control – TLC for LED™ technology

#### Guaranteed Lighting Performance

- Guaranteed light levels of 30 FC and uniformity of 2:1
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

#### System Description

- (4) Pre-cast concrete bases with integrated lightning grounding
- (4) Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Factory wired poletop luminaire assemblies
- Factory aimed and assembled luminaires
- UL Listed assemblies

#### Control Systems and Warranty Services

- Control-Link® control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring with 24/7 customer support
- \*Control-Link® control and monitoring with Show-Light® entertainment package to provide (6) pre-programmed light shows and 4 minutes of custom theatrical shows set to customer-supplied and licensed music, onsite dimming, and custom color accent lighting control.
- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 25 years

#### Payment Terms

Musco's Credit Department will provide payment terms.  
Email or fax a copy of the Purchase Order to Musco Sports Lighting, LLC:

Musco Sports Lighting, LLC  
Attn: Beth Sheeley  
Fax: 800-374-6402  
Email: musco.contracts@musco.com

All purchase orders should note the following:  
Sourcewell purchase – contract number: 041123-MSL



## Quote

### *Delivery Timing*

8 - 12 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole locations.

Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

### *Notes*

Quote is based on:

- Shipment of entire project together to one location.
- Structural code and wind speed = 2021 IBC, 115 mph, Exposure C, Risk Factor 1.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees.
- Confirmation of pole locations prior to production.

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.

Daniel McCoy, Sales Representative  
Musco Sports Lighting, LLC  
Phone: 804-836-6785  
E-mail: [daniel.mccoy@musco.com](mailto:daniel.mccoy@musco.com)

# System Requirements: Control System Summary

Project Name: Bath County High School Football | Project #: 209487  
Control System ID: 1 of 1  
Distribution Panel Location/ID: Service 1

## Project Information

### Control System

Control System ID: 101  
Control System Type: Control-Link \* Control and Monitoring System with Show-Light \* Special Effects  
Communication Type: PowerLine-ST

### Project Notes:

### Power Requirements

**Control cabinet(s):**  
Control voltage (Phase to neutral) 120/60  
VA loading - Inrush 2153.0  
VA loading - Sealed 198.0

**Lighting Circuits:**  
Voltage/Hertz/Phase 240/60/1

**Communication cabinet(s):**  
Cabinet voltage (phase to neutral) 120/60

**Touchscreen(s):**  
Touchscreen power (receptacle) 120/60

### Equipment Listing

| Description                              | Qty | Size (in) |
|--|-----|-----------|
| Control and monitoring cabinet - primary | 1   | 24 X 48   |
| Communication cabinet                    | 1   | -         |
| Touchscreen                              | 1   | -         |
| Contactors, 60 amperes                   | 4   | -         |
| Off/On/Auto switches                     | 1   | -         |

### Important Notes:

1. Please confirm that the lighting circuit voltage listed above is accurate for this facility. This is the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole location. Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each circuit at each pole location. Contactors are 3 pole and 100% rated for the published continuous load.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. Size overcurrent devices using the full load amps column of the Circuit Summary by Switch chart (Minimum power factor is 0.9). Size conduit per code unless otherwise specified as larger to allow for harness connectors.
6. Avoid use of in-ground junction/pull boxes when possible. If used, all wire connectors must be UL listed for Wet Locations to prevent leakage current.
7. Control power wiring must be in separate conduit from line or load power wiring. Communication cables must be in separate conduit from any power wiring.
8. Refer to Installation Instructions for more details on equipment information and the installation requirements.



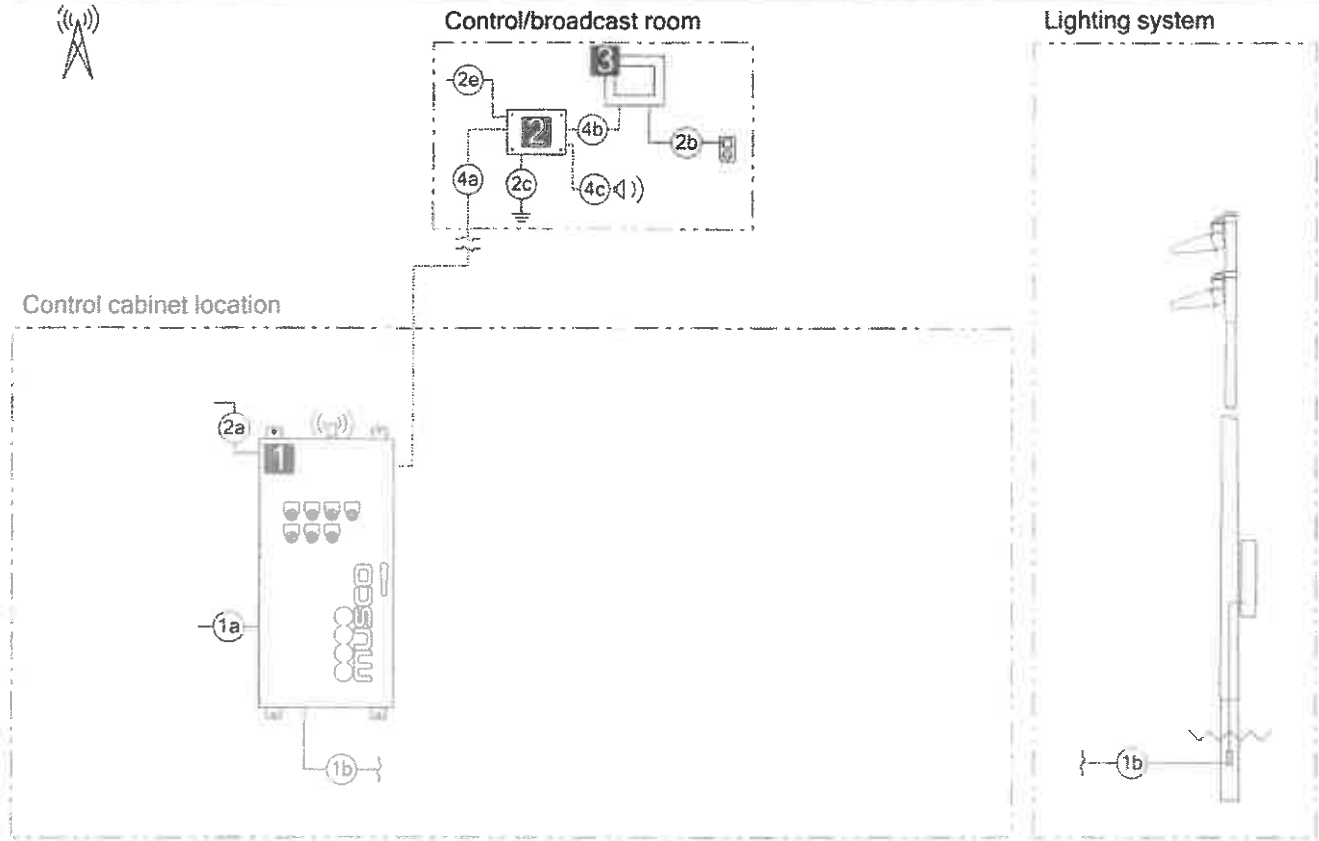
# System Requirements: Control System Summary

Project Name: Bath County High School Football | Project #: 209487

Control System ID: 1 of 1

Distribution Panel Location/ID: Service 1

## Equipment Layout and Connection Details



### Connection Details

| ID | Description  |
|----|--|
| 1a | Line power to contactors, and equipment grounding conductor. Requires one circuit per contactor, size wiring per load and voltage drop.      |
| 1b | Load power from contactors, and equipment grounding conductor. Requires one circuit per contactor, size wiring per load and voltage drop.    |
| 2a | Control power with equipment ground to control cabinet. Requires dedicated 20 A circuit. Provide transformer if control voltage not present. |
| 2b | Power cord for touchscreen. Requires standard receptacle.  |
| 2c | Earth ground connection at communication cabinet location. Requires installation of ground electrode if existing earth ground not present.   |
| 2e | Control power with equipment ground.   |
| 4a | Communication cable - Communication cabinet to primary control cabinet. Requires Cat5e cable (Belden 7937A or equal), maximum of 1500 feet.  |

### Equipment

| ID | Description                              |
|----|--|
| 1  | Control and monitoring cabinet - primary |
| 2  | Communication cabinet                    |
| 3  | Touchscreen                              |

# System Requirements: Control System Summary

Project Name: Bath County High School Football | Project #: 209487

Control System ID: 1 of 1

Distribution Panel Location/ID: Service 1

## Equipment Layout and Connection Details

| Connection Details - Cont'd |   |
|-----------------------------|---|
| ID                          | Description   |
| 4b                          | Communication cable - Communication cabinet to touchscreen. 10-foot ethernet cable provided by Musco. Ethernet cable provided by contractor if longer length is needed. Maximum cable length is 300 feet. |
| 4c                          | Audio cable - Communication cabinet to audio system, provided by contractor. Requires audio cable with 3.5 mm audio plug, maximum of 50 feet.   |

| Equipment - Cont'd |             |
|--------------------|-------------|
| ID                 | Description |

# System Requirements: Control System Summary

Project Name: Bath County High School Football | Project #: 209487

Control System ID: 1 of 1

Distribution Panel Location/ID: Service 1

## Circuit Summary

### Switching Schedule

| Field/Switch Description | Switches |
|--------------------------|----------|
| Football                 | 1        |

### Control Module ID: 1

Lighting Circuit Voltage: 240/60/1

### Circuit Summary by Switch

| Switch | Zone Description | Pole ID | Qty of Fixtures | Full load amperes | Contactor Size (Amps) | Cabinet # | Contactor ID |
|--------|------------------|---------|-----------------|-------------------|-----------------------|-----------|--------------|
| 1      | Football         | F1      | 7               | 35.8              | 60                    | 1         | C1           |
|        | Football         | F2      | 7               | 35.8              | 60                    | 1         | C2           |
|        | Football         | F3      | 8               | 38.57             | 60                    | 1         | C3           |
|        | Football         | F4      | 8               | 38.57             | 60                    | 1         | C4           |

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# Bath County High School Football

Hot Springs, VA

## Lighting System

| Fixture ID | Fixture | Mounting Height | Mounting Type | Beam Angle   | Beam Qty | Watts    | Beam Qty | Beam Qty |
|------------|---------|-----------------|---------------|--------------|----------|----------|----------|----------|
| F1         | 70'     | 36'             | 2             | TLC-81-575   | 2        | 2,022 kW | A        | A        |
| F2         | 70'     | 36'             | 5             | TLC-LED-1200 | 2        | 1.15 kW  | A        | A        |
| F3         | 70'     | 36'             | 2             | TLC-81-575   | 2        | 5.85 kW  | A        | A        |
|            |         |                 | 5             | TLC-LED-1200 | 1        | 1.15 kW  | A        | A        |
|            |         |                 | 1             | TLC-LED-550  | 2        | 5.85 kW  | A        | A        |
| F4         | 70'     | 36'             | 2             | TLC-81-575   | 2        | 1.15 kW  | A        | A        |
|            |         |                 | 5             | TLC-LED-1200 | 2        | 0.54 kW  | A        | A        |
|            |         |                 | 1             | TLC-LED-550  | 2        | 0.54 kW  | A        | A        |
| 4          |         |                 | 32            | TLC-81-575   | 2        | 1.15 kW  | A        | A        |
|            |         |                 | 32            |              |          | 31.42 kW |          |          |

| Circuit Summary | Beam Qty | Beam Qty |
|-----------------|----------|----------|
| 1               | 32       | 32       |

## Fixture Type Summary

| Fixture Type | Quantity | Watts | Beam Qty | Beam Qty |
|--------------|----------|-------|----------|----------|
| TLC-81-575   | 57,000   | 575W  | 2        | 2        |
| TLC-LED-1200 | 150,000  | 1375W | 2        | 2        |
| TLC-LED-550  | 57,000   | 540W  | 2        | 2        |

## Single Fixture Power Requirements

| Driver          | Beam Qty | Beam Qty | Beam Qty | Beam Qty |
|-----------------|----------|----------|----------|----------|
| LED 7500K 75 CR | 208      | 230      | 347      | 380      |
| LED 5700K 75 CR | 600      | 600      | 600      | 600      |
| LED 5700K 75 CR | 3.3      | 3.2      | 2.0      | 1.8      |
| LED 5700K 75 CR | 6.9      | 6.5      | 4.2      | 3.8      |
| LED 5700K 75 CR | 3.2      | 3.0      | 2.4      | 2.5      |

## Light Level Summary

| Calculation Grid Summary | Beam Qty | Beam Qty | Beam Qty | Beam Qty |
|--------------------------|----------|----------|----------|----------|
| Block Grid               | 9.77     | 0        | 37       | 2588.9   |
| Horizontal               | 32.36    | 29       | 57       | 1.24     |
| Horizontal               | 13.94    | 4        | 25       | 7.22     |
| Horizontal               | 22.73    | 12       | 34       | 3.98     |
| Horizontal               | 21.38    | 18       | 26       | 2.78     |
| Horizontal               |          |          |          | 1.44     |
| Horizontal               |          |          |          | 1.17     |

From Hometown to Professional



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ENGINEERED DESIGN By: Brayton Carter • File #209487C • 17-Dec-24

PROJECT SUMMARY





# Bath County High School Football

Hot Springs, VA

## Grid Summary

Theme: Vapor Bleacher  
 Size: 360' x 160'  
 Spacing: 30.0'

## ILLUMINATION SUMMARY

Scan Average: 1.8  
 Minimum: 0.5  
 Maximum: 2.5  
 Avg/Min: 1.17  
 Max/Min: 1.84  
 U0 (adjacent pole): 1.27

No. of Poles: 24  
 Applied Circuits: A  
 No. of Luminaire: 32  
 Total Load: 31.42 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and is based on the following assumptions:  
 1. All field measurements were taken from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Ampereage Draw Chart and/or the "Musco Control System Summary" for details.  
**Installation Requirements:** Results assume a 3% nominal voltage at line side of the driver and structures located within 3 feet (3m) of design locations.

## Equipment List for Areas Shown

| QTY | LOCATION | MARK | POLE HEIGHT | LUMINAIRE TYPE | WATTAGE | WATTAGE |
|-----|----------|------|-------------|----------------|---------|---------|
| 1   | F1       | 70'  | 70'         | TLCLED-1200    | 6       | 0       |
| 1   | F2       | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F3       | 70'  | 70'         | TLCLED-1000    | 5       | 0       |
| 1   | F4       | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F5       | 70'  | 70'         | TLCLED-1000    | 5       | 0       |
| 1   | F6       | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F7       | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F8       | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F9       | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F10      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F11      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F12      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F13      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F14      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F15      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F16      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F17      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F18      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F19      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F20      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F21      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F22      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F23      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F24      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F25      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F26      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F27      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F28      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F29      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F30      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F31      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F32      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F33      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F34      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F35      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F36      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F37      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F38      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F39      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F40      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F41      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F42      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F43      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F44      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F45      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F46      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F47      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F48      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F49      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F50      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F51      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F52      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F53      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F54      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F55      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F56      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F57      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F58      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F59      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F60      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F61      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F62      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F63      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F64      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F65      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F66      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F67      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F68      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F69      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F70      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F71      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F72      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F73      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F74      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F75      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F76      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F77      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F78      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F79      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F80      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F81      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F82      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F83      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F84      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F85      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F86      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F87      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F88      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F89      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F90      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F91      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F92      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F93      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F94      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F95      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F96      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F97      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F98      | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F99      | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F100     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F101     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F102     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F103     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F104     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F105     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F106     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F107     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F108     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F109     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F110     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F111     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F112     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F113     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F114     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F115     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F116     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F117     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F118     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F119     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F120     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F121     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F122     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F123     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F124     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F125     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F126     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F127     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F128     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F129     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F130     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F131     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F132     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F133     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F134     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F135     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F136     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F137     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F138     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F139     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F140     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F141     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F142     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F143     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F144     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F145     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F146     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F147     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F148     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F149     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F150     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F151     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F152     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F153     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F154     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F155     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F156     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F157     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F158     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F159     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F160     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F161     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F162     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F163     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F164     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F165     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F166     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F167     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F168     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F169     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F170     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F171     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F172     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F173     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F174     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F175     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F176     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F177     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F178     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F179     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F180     | 70'  | 70'         | TLCLED-550     | 1       | 0       |
| 1   | F181     | 70'  | 70'         | TLCBE575       | 2       | 0       |
| 1   | F182     | 70'  | 70'         | TLCLED-550     | 1       |         |

# Bath County High School Football

Hot Springs, VA

|                          |               |
|--------------------------|---------------|
| <b>FIELD INFORMATION</b> |               |
| Name                     | Home Bleacher |
| Size                     | 360' x 160'   |
| Spacing                  | 10' O'        |

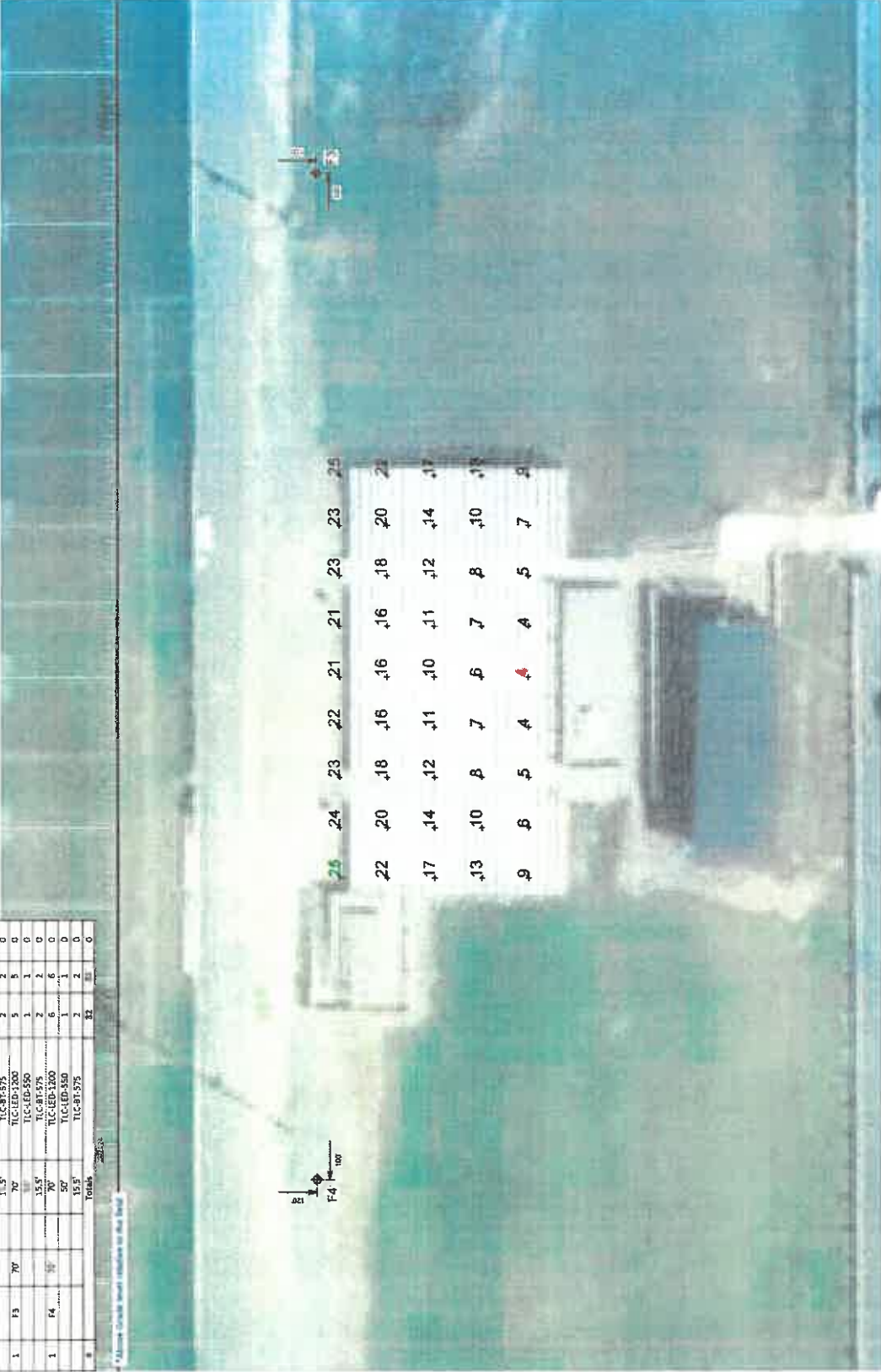
|                             |         |
|-----------------------------|---------|
| <b>LUMINAIR INFORMATION</b> |         |
| Entire Grid                 |         |
| Score Average               | 15.9%   |
| Minimum                     | 25      |
| Maximum                     | 4       |
| Mounting                    | 1.56    |
| Beam/Angle                  | 1.78    |
| UG (Equivalent)             | CU 0.02 |

|                              |          |
|------------------------------|----------|
| <b>LUMINAIRE INFORMATION</b> |          |
| No. of Points                | 45       |
| Applied Circuits             | A        |
| No. of Luminaires            | 32       |
| Total Load                   | 31.42 kW |

**Guaranteed Performance:** The LUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 tilt depreciation factor. Field Measurements: Individual field measurements may vary from computer-generated predictions and should be taken on-site with a lux meter. Refer to Appendix B, Draw Chart and/or the "Musco Control System Summary" for electrical wiring. Installation Requirements: Results assume a 3% nominal voltage at the side of the driver and structures located within 3 feet (1m) of design location.

### Equipment List For Areas Shown

| Qty    | Location | Size | Height | Mounting Type | Wattage | Peak Amp | Other Notes |   |
|--------|----------|------|--------|---------------|---------|----------|-------------|---|
| 1      | F1       | 70"  | 15.5'  | TLC-LED-1000  | 5       | 6        | 0           |   |
| 1      | F2       | 70"  | 17'    | TLC-LED-1000  | 5       | 2        | 0           |   |
| 1      | F3       | 70"  | 17'    | TLC-LED-1000  | 5       | 2        | 0           |   |
| 1      | F4       | 70"  | 15.5'  | TLC-LED-1000  | 2       | 2        | 0           |   |
| Totals |          |      |        |               |         |          | 32          | 0 |



SCALE IN FEET 1 : 20  
 0' 20' 40' 100'  
 ENGINEERED DESIGN By: Brayton Carter • File #209487C • 17-Dec-24  
 Pole location(s) dimensions are relative to G.O. reference point(s)



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## ILLUMINATION SUMMARY



# Bath County High School Football

Hot Springs, VA

| PROJECT INFORMATION |                  |
|---------------------|------------------|
| Name                | Practice Area    |
| Site                | 360' x 150'      |
| Spacing             | 10.0'            |
| Height              | 3.0' Above grade |

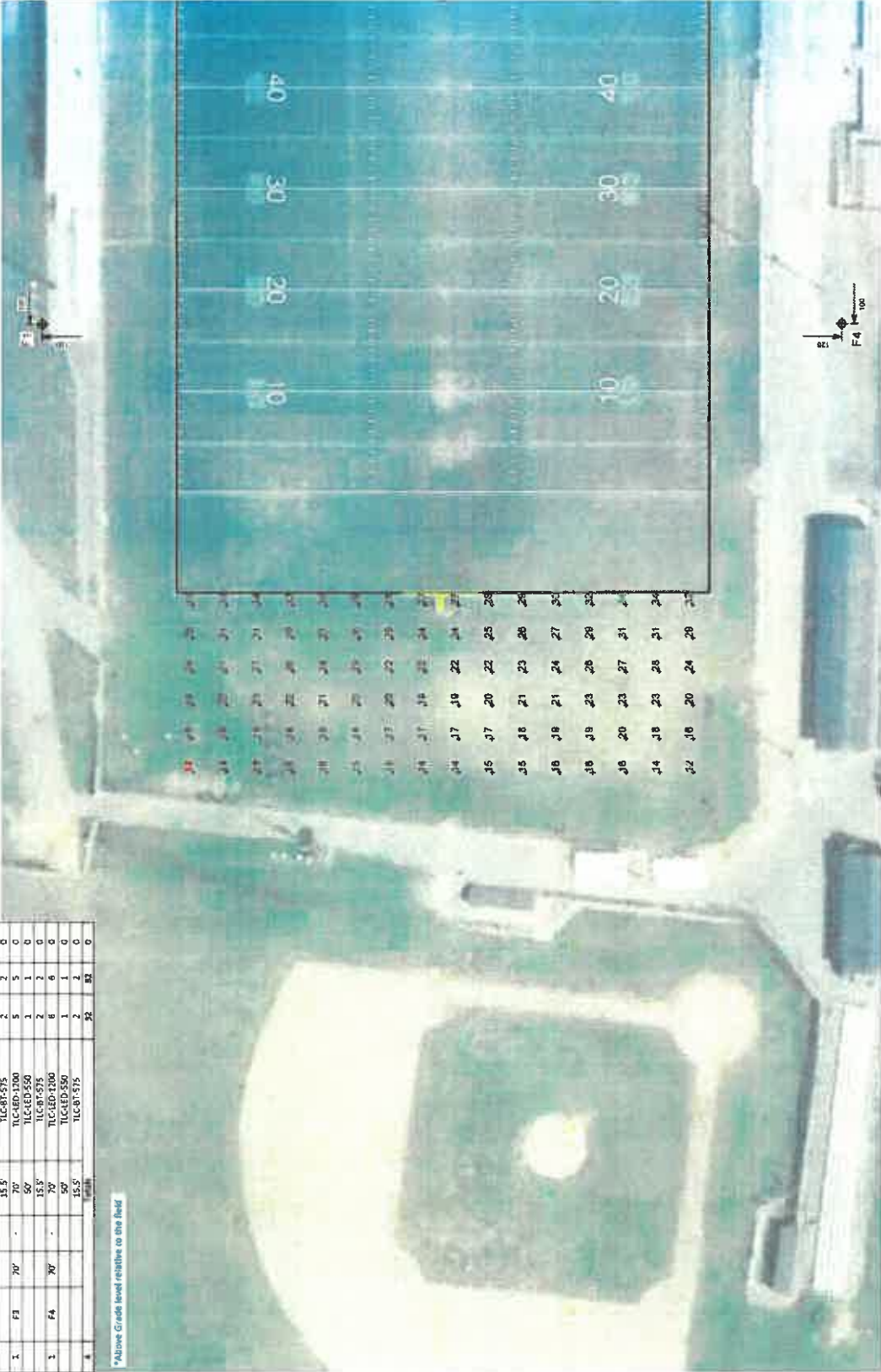
| LUMINAIRE INFORMATION |          |
|-----------------------|----------|
| Beam Average          | 11.7%    |
| Maximum               | 24       |
| Asymmetry             | 1.87     |
| Mounting Height       | 3.0      |
| UG (adjacent only)    | 1.17     |
| CU                    | 0.06     |
| No. of Poles          | 56       |
| Applied Circuits      | A        |
| No. of Luminaires     | 32       |
| Total Load            | 31.42 kW |

**Comments:** The ILLUMINATION described above is guaranteed for your Musco Warranty document and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken on site using a lux meter. Refer to Appendix Electrical Specifications for more information.  
**Draw Chart and/or the "Musco Control System Summary"** for electrical sizing.  
**Installation Requirements:** Results assume a 3% nominal voltage at line side of the other end structures located within 3 feet (1m) of design locations.

### Equipment List For Areas Shown

| QTY | LOCATION | SIZE | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY/POLE | POLE HGT | OTHER QTY |
|-----|----------|------|-----------------|----------------|----------|----------|-----------|
| 1   | F1       | 70'  | 70'             | TLC-LED-1200   | 5        | 6        | 0         |
| 1   | F2       | 70'  | 70'             | TLC-LED-1200   | 2        | 2        | 0         |
| 1   | F3       | 70'  | 70'             | TLC-LED-1200   | 2        | 2        | 0         |
| 1   | F4       | 70'  | 70'             | TLC-LED-1200   | 2        | 2        | 0         |

\*Above Grade level relative to the field



SCALE IN FEET 1: 30  
 0' 30' 60'  
 ENGINEERED DESIGN By: Brayton Carter • File #209487C • 17-Dec-24

Pole location(s) dimensions are relative to 0,0 reference point(s)



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## ILLUMINATION SUMMARY



# Bath County High School Football

Hot Springs, VA

## Lighting Summary

Name: **Blayne**  
 Spacing: **30'**  
 Height: **3' Or Above / Grade**

### ILLUMINATION SUMMARY

Entire Grid

Scene Average: **8.77**

Maximum: **37**

Minimum: **0**

Algorithm: **IESNA RP-4-15**

UG (adjacent) (ft): **14.78**

CU: **0.89**

No. of Points: **396**

Applied Circuits: **A**

No. of Luminaires: **32**

Total Load: **31.42 kW**

**Guaranteed Performance:** The ILLUMINATION described above includes a 10% safety margin and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-4-15.  
**Electrical System Requirements:** Refer to Amperage Calculations in the "Voltage Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume a 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE = FEET 1:100

ENGINEERED DESIGN By: Blayne Carter • File #209487C • 17-Dec-24

Field location(s) directions are relative to GO reference point(s)



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## ILLUMINATION SUMMARY



# Bath County High School Football

Hot Springs, VA

## INCLUDES:

Football

Electrical System Requirements: Refer to Appendix Draw Chart and/or the "Musco Control System Summary"

Installation Requirements: Results assume ± 3% installation tolerance. All structures located within 5 feet (1.5m) of origin location.

## Equipment List (As Shown)

| QTY | SIZE | HEIGHT | WATTAGE | LUMINAIRE TYPE | TYPE |
|-----|------|--------|---------|----------------|------|
| 1   | F1   | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F2   | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F3   | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F4   | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F5   | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F6   | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F7   | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F8   | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F9   | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F10  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F11  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F12  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F13  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F14  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F15  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F16  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F17  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F18  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F19  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F20  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F21  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F22  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F23  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F24  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F25  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F26  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F27  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F28  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F29  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F30  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F31  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F32  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F33  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F34  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F35  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F36  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F37  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F38  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F39  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F40  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F41  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F42  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F43  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F44  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F45  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F46  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F47  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F48  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F49  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F50  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F51  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F52  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F53  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F54  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F55  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F56  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F57  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F58  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F59  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F60  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F61  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F62  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F63  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F64  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F65  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F66  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F67  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F68  | 70'    | 15.5'   | TLC-BF-575     | 2    |
| 1   | F69  | 70'    | 15.5'   | TLC-ED-3200    | 6    |
| 1   | F70  | 70'    | 15.5'   | TLC-BF-575     | 2    |

## Summary of Average Power

| Phase | Wattage | Current (A) | Current (A) | Current (A) | Current (A) |
|-------|---------|-------------|-------------|-------------|-------------|
| 110V  | 230     | 240         | 272         | 347         | 390         |
| 200V  | 460     | 480         | 544         | 694         | 780         |
| 300V  | 690     | 720         | 816         | 1041        | 1170        |
| 400V  | 920     | 960         | 1088        | 1388        | 1560        |
| 500V  | 1150    | 1200        | 1344        | 1711        | 1920        |
| 600V  | 1380    | 1440        | 1616        | 2044        | 2304        |
| 700V  | 1610    | 1680        | 1888        | 2377        | 2688        |
| 800V  | 1840    | 1920        | 2144        | 2711        | 3072        |
| 900V  | 2070    | 2160        | 2368        | 2977        | 3360        |
| 1000V | 2300    | 2400        | 2624        | 3311        | 3744        |
| 1100V | 2530    | 2640        | 2880        | 3644        | 4128        |
| 1200V | 2760    | 2880        | 3136        | 3977        | 4512        |
| 1300V | 2990    | 3120        | 3392        | 4311        | 4896        |
| 1400V | 3220    | 3360        | 3648        | 4644        | 5280        |
| 1500V | 3450    | 3600        | 3904        | 4977        | 5664        |
| 1600V | 3680    | 3840        | 4160        | 5311        | 6048        |
| 1700V | 3910    | 4080        | 4416        | 5644        | 6432        |
| 1800V | 4140    | 4320        | 4672        | 5977        | 6816        |
| 1900V | 4370    | 4560        | 4928        | 6311        | 7200        |
| 2000V | 4600    | 4800        | 5184        | 6644        | 7584        |
| 2100V | 4830    | 5040        | 5440        | 6977        | 7968        |
| 2200V | 5060    | 5280        | 5696        | 7311        | 8352        |
| 2300V | 5290    | 5520        | 5952        | 7644        | 8736        |
| 2400V | 5520    | 5760        | 6208        | 7977        | 9120        |
| 2500V | 5750    | 6000        | 6464        | 8311        | 9504        |
| 2600V | 5980    | 6240        | 6720        | 8644        | 9888        |
| 2700V | 6210    | 6480        | 6976        | 8977        | 10272       |
| 2800V | 6440    | 6720        | 7232        | 9311        | 10656       |
| 2900V | 6670    | 6960        | 7488        | 9644        | 11040       |
| 3000V | 6900    | 7200        | 7744        | 9977        | 11424       |
| 3100V | 7130    | 7440        | 8000        | 10311       | 11808       |
| 3200V | 7360    | 7680        | 8256        | 10644       | 12192       |
| 3300V | 7590    | 7920        | 8512        | 10977       | 12576       |
| 3400V | 7820    | 8160        | 8768        | 11311       | 12960       |
| 3500V | 8050    | 8400        | 9024        | 11644       | 13344       |
| 3600V | 8280    | 8640        | 9280        | 11977       | 13728       |
| 3700V | 8510    | 8880        | 9536        | 12311       | 14112       |
| 3800V | 8740    | 9120        | 9792        | 12644       | 14496       |
| 3900V | 8970    | 9360        | 10048       | 12977       | 14880       |
| 4000V | 9200    | 9600        | 10304       | 13311       | 15264       |
| 4100V | 9430    | 9840        | 10560       | 13644       | 15648       |
| 4200V | 9660    | 10080       | 10816       | 13977       | 16032       |
| 4300V | 9890    | 10320       | 11072       | 14311       | 16416       |
| 4400V | 10120   | 10560       | 11328       | 14644       | 16800       |
| 4500V | 10350   | 10800       | 11584       | 14977       | 17184       |
| 4600V | 10580   | 11040       | 11840       | 15311       | 17568       |
| 4700V | 10810   | 11280       | 12096       | 15644       | 17952       |
| 4800V | 11040   | 11520       | 12352       | 15977       | 18336       |
| 4900V | 11270   | 11760       | 12608       | 16311       | 18720       |
| 5000V | 11500   | 12000       | 12864       | 16644       | 19104       |
| 5100V | 11730   | 12240       | 13120       | 16977       | 19488       |
| 5200V | 11960   | 12480       | 13376       | 17311       | 19872       |
| 5300V | 12190   | 12720       | 13632       | 17644       | 20256       |
| 5400V | 12420   | 12960       | 13888       | 17977       | 20640       |
| 5500V | 12650   | 13200       | 14144       | 18311       | 21024       |
| 5600V | 12880   | 13440       | 14400       | 18644       | 21408       |
| 5700V | 13110   | 13680       | 14656       | 18977       | 21792       |
| 5800V | 13340   | 13920       | 14912       | 19311       | 22176       |
| 5900V | 13570   | 14160       | 15168       | 19644       | 22560       |
| 6000V | 13800   | 14400       | 15424       | 19977       | 22944       |
| 6100V | 14030   | 14640       | 15680       | 20311       | 23328       |
| 6200V | 14260   | 14880       | 15936       | 20644       | 23712       |
| 6300V | 14490   | 15120       | 16192       | 20977       | 24096       |
| 6400V | 14720   | 15360       | 16448       | 21311       | 24480       |
| 6500V | 14950   | 15600       | 16704       | 21644       | 24864       |
| 6600V | 15180   | 15840       | 16960       | 21977       | 25248       |
| 6700V | 15410   | 16080       | 17216       | 22311       | 25632       |
| 6800V | 15640   | 16320       | 17472       | 22644       | 26016       |
| 6900V | 15870   | 16560       | 17728       | 22977       | 26400       |
| 7000V | 16100   | 16800       | 17984       | 23311       | 26784       |



SCALE IN FEET 1:80  
0' 80' 160'

Pole location(s) dimensions are relative to O.O. reference point(s)

ENGINEERED DESIGN By: Brayton Carter • File #209487C • 17-Dec-24



EQUIPMENT LAYOUT

Not to be interpreted for use as a permit unless the information of Health Dept. (Virginia, 2018), 2012 National Electrical Code, etc.

# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department / Activity: <b>Bath County Public Schools</b>   |  |         |         |         |         |         |        |        |        |        |        |
|--|--|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 1. Project Title: <b>65-Passenger 2026 Blue Bird Diesel Powered School Bus</b>   | 2. Priority #: _____ of _____  |         |         |         |         |         |        |        |        |        |        |
| <p><i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i></p> |  |         |         |         |         |         |        |        |        |        |        |
| 3. Project Description / Location (Please note Service Area and Magisterial District):<br><b>One - 65 Passenger Bus \$152,109</b>  |  |         |         |         |         |         |        |        |        |        |        |
| 4. Project Justification and/or Objectives:<br><b>The bus will replace an older bus in the fleet. Due to the age of our buses, it is essential that we continue a regular replacement cycle.</b>   |  |         |         |         |         |         |        |        |        |        |        |
| 5. Status of Project, Plans, Specifications, etc.:<br><b>One – 2026 Blue Bird diesel powered 65-passenger “Vision” Conventional School Bus</b>   |  |         |         |         |         |         |        |        |        |        |        |
| 6. Required Permits or Approval:<br><b>N/A</b>   |  |         |         |         |         |         |        |        |        |        |        |
| 7. Anticipated Start Date of Project: <b>N/A</b>   |  |         |         |         |         |         |        |        |        |        |        |
| 8. Anticipated Time of Construction or Anticipated Completion Date of Project:<br><b>N/A</b>   |  |         |         |         |         |         |        |        |        |        |        |
| 9. Department Priority (see instructions for completing Capital Request Form):<br><input checked="" type="checkbox"/> Urgent<br><input type="checkbox"/> Necessary<br><input type="checkbox"/> Desirable<br>Please explain department priority: (use additional sheet if necessary) _____<br>_____<br>_____        |  |         |         |         |         |         |        |        |        |        |        |
| 10. Total Estimated Capital Costs*:<br><br>Planning/Engineering/Legal \$ _____<br>Land / Right-of-Way \$ _____<br>Construction _____<br>Equipment / Furniture _____<br>Other <b>\$152,109</b><br>Explain Other \$: _____<br>Total Capital Project Cost <b>\$152,109</b><br>*Use Dollar Amounts*                    | 11. Total Estimated Annual Operating Costs per year:*<br><br><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>FY25-26</th> <th>FY26-27</th> <th>FY27-28</th> <th>FY28-29</th> <th>FY29-30</th> </tr> </thead> <tbody> <tr> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> </tr> </tbody> </table><br>*Explain all Savings, Revenues, and Trade-Ins:<br>\$ N/A<br>_____<br>_____<br>(use additional sheet if necessary) | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$ N/A | \$ N/A | \$ N/A | \$ N/A | \$ N/A |
| FY25-26  | FY26-27  | FY27-28 | FY28-29 | FY29-30 |         |         |        |        |        |        |        |
| \$ N/A   | \$ N/A   | \$ N/A  | \$ N/A  | \$ N/A  |         |         |        |        |        |        |        |

12. Cost Summary:

|              | FY25-26 | FY26-27   | FY27-28 | FY28-29 | FY29-30 | TOTAL     |
|--------------|---------|-----------|---------|---------|---------|-----------|
| County       |         | \$152,109 |         |         |         | \$152,109 |
| State        |         |           |         |         |         |           |
| Federal      |         |           |         |         |         |           |
| Other        |         |           |         |         |         |           |
| <b>TOTAL</b> |         | \$152,109 |         |         |         | \$152,109 |

FY2025-2030

Recommended method(s) of financing:

Current Revenue  Revenue Bond \_\_\_\_\_ Capital Reserve Fund \_\_\_\_\_  
 General Obligation \_\_\_\_\_ Grant (type) \_\_\_\_\_  
 Special Assessment \_\_\_\_\_ Loan (type) \_\_\_\_\_

Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no

If yes, how many years could be expected? 12+ years  
*Recommended replacement cycle by Department of Education; 10-12 years.*

14. If this is a replacement, will this equipment be more cost effective? Explain how:

*Safety features in newer buses further protect children.*

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?

YES

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered.)

*Education Goals: Ensure that every student enrolled, as well as future students, receive a quality education. Students must be transported safely and reliably.*

17. Please attach a map showing the location of the project, if applicable.

**Planning Commission Use Only**



**August 30, 2024**

**Diesel**

Specifications prepared for **Bath County Public Schools (ID #198419)** for one (1) or more new 2026 Blue Bird diesel powered 65-passenger "Vision" conventional school buses.

**Chassis Specifications:**

- 254" wheel base
- 21,000 lb. rear axle with 6.14 to 1 ratio
- Hendrickson rear air ride suspension
- 10,000 lb. front axle and springs
- Front and rear shocks
- Full air brake system: 16.5" x 5" front lining, 16.5" x 7" rear lining
- Bendix-Westinghouse AD-IP air dryer
- Park brake interlock
- 4-channel A.B.S. braking system
- 18.7 cfm compressor
- Automatic slack adjusters
- Heavy duty bumper – 15" with lifting reinforcements
- Battery disconnect switch
- Cummins B6.7, 260 horsepower in line six diesel engine, 660 ft lb torque
- Allison 2500 PTS 5-speed automatic transmission
- Engine alarm system
- 8.25 x 22.5 hub-piloted wheels
- 11R x 22.5 tubeless radial tires, highway front and traction rear – Kumho, 16 ply KRS12E/KRD23
- Electronic high idle switch
- Three (3) Group 31 batteries, 2100 cca
- 280 amp "brushless" alternator – Leece/Neville
- Dual horns
- 100 gallon fuel tank mounted between rear frame rails

**August 30, 2024**

**Chassis Specifications continued:**

- Fiberglass tilt hood with fender mounted LED turn signals, 9 lb. maximum effort to open
- Voltmeter
- Tachometer
- Telescopic/tilt steering column
- Daytime running lights
- Front and rear tow hooks
- Key alike ignition
- Heated fuel/water separator mounted on firewall
- Automatic traction control (ATC) with Electronic stability control (ESC)
- Engine hour meter
- "On-Spot" automatic tire chains
- Engine block heater
- 15 gallon DEF tank with dash mounted gauge
- VGT engine exhaust brake
- Front and rear axle synthetic lube, 75W/90
- LED headlights
- Transmission temperature gauge
- Trip odometer
- Digital dash clock
- Silicone cooling hoses with constant torque clamps
- Anti-freeze protected to -34 degrees – Cummins Compleat ES (red)
- Circuit breakers
- Power steering with 50 degrees wheel cut
- Rear exit exhaust through rear bumper
- Multi-Plex wiring with L.E.D. readout in dash
- Synthetic transmission fluid
- 7-year/unlimited mile transmission warranty
- 5-year/100,000 mile engine warranty, 2 year towing

**Body Specifications:**

- Dual heater cut-off valves
- Complete insulation

**August 30, 2024**

**Body Specifications continued:**

- Fuel tank door
- Locking battery compartment
- Aluminized interior side panels
- Extended seat, window and floor rub rails
- Bumper rub rail
- 4-applied side body rub rails
- 2-piece tinted/shaded windshield, curved
- Lower glass rear emergency door with expanded metal screen
- Two (2) side emergency push-out windows, one (1) per side – vertical hinge
- Two (2) roof escape hatch/ventilators
- Heavy duty DOT construction
- 12" rear bumper with lifting reinforcement
- 77" interior headroom with 12" split sash windows with black frames
- 3-step stepwell
- One (1) exterior side mounted locking tool compartment
- Outward opening entrance door –air operated
- Dash mounted glove box
- All floor seams caulked with silicone
- Aluminum aisle trim
- Fuel sender plate
- Vandle locks for entrance door and rear emergency door
- Rubber body isolators front and rear
- 20-gauge steel exterior side panels

**Electrical Specifications:**

- Two (2) auxiliary windshield defroster fans
- Silicone heater hose with constant torque clamps
- 90,000 BTU left front heater/defroster; 50,000 BTU stepwell heater, 80,000 BTU rear underseat heater; full-width windshield and driver's window defroster; 3-speed defroster and driver's heater switches; cleanable filter
- 7" stop and turn signals LED
- Skirt mounted electrical compartment for AC wiring
- Driver's dome light, LED

**August 30, 2024**

**Electrical Specifications continued:**

- Interior dome lights – LED
- Side body directional signals – one (1) per side, LED
- Hooded 8-lamp warning system – strobing LED lamps (individual hoods)
- Air operated side body stop-arm with LED lights and crossing control arm
- 4" stop and tail lights, LED
- Clearance lights – L.E.D.
- Utility plug-in
- Back-up alarm
- Body solenoid switch
- Stepwell light, LED
- 7" back-up lights, LED
- Buzzer for rear emergency door
- Color and number coded wiring
- Automatic resetting circuit breakers
- Roof mounted LED strobe light
- Child check system
- Angel Trax camera system per requirements
- Pre-trip light check system

**Paint and Lettering Specifications:**

- N.S.B.C. exterior - polyurethane
- Astro-white interior color
- All required "School Bus" lettering
- 3M Diamond-grade reflective tape
- White roof

**Seating Specifications:**

- Fully-padded DOT seats and barriers – high back
- Heavy duty gray "fire block" upholstery
- National adjustable driver's air seat with fabric insert, retractable shoulder harness seat belt, and aisle side arm rest
- Tilt-up seat cushions



**August 30, 2024**

**Seating Specifications continued:**

- Left front barrier cover to include map pocket
- 65-passenger capacity

**Accessory Specifications:**

- All safety and emergency equipment
- Header pads for service door and emergency door
- Forward grab rail
- Front and rear mud flaps
- 1/2" plywood sub-floor, screwed down
- Black rubber transit floor and step treads
- Molded interior rear wheelhouse covers
- 6" x 30" clear interior mirror and 6" x 30" plexiglass visor
- Back-up monitor in dash
- Premium wax undercoat for undercarriage
- Wet-arm wiper blades
- Daul electric windshield wipers with intermittent switch
- Noise reduction panels, full length
- 28% bronze tint for all side and rear glass
- Heated/remote controlled exterior rear view mirrors
- Heated crossview mirrors with bell mounts
- Locking overhead drivers storage compartment mounted above drivers window
- Sound deadening spray
- Trans-Air 120000 BTU (IMACA rating) free blow air conditioning system with front and rear in-wall evaporators, and skirt mounted condensers
- 5-year/100,000-mile limited warranty (Standard)

August 30, 2024

**Total cost per unit, FOB Warm Springs, Virginia**

**\$142,496.00\***

\*Add \$3,500.00 if ordered after 9/25/2024

**Options to consider:**

5 year Blue Bird Premium "Gold" warranty, add \$4,543.00

5 year AC warranty, add \$1,570.00

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Agreed to by Customer:

---

Agreed to by Blue Bird of Virginia:

---

Name

---

Name

---

Title

---

Title

---

Authorized Signature

Date

---

Authorized Signature

Date



# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department / Activity: <b>Bath County Public Schools</b>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
|--|-------------------------------|---------|---------------------|---------|--------------|----|-----------------------|----|-------|------------------|-------------------|--|---|--|---------------------------------------|--|----------------------------|------------------|--|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 1. Project Title: <b>BCHS - Ditch Improvement, Rt. 220 front of school</b>   | 2. Priority #: _____ of _____ |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p><i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i></p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>3. Project Description / Location (Please note Service Area and Magisterial District):</p> <p style="padding-left: 40px;"><b>Bath County High School - Regrade ditch line in front of BCBS to protect new baseball field from sloping again and to reduce drop off from Rt. 220 to protect against potential vehicular accidents.</b></p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>4. Project Justification and/or Objectives:</p> <p style="padding-left: 40px;"><b>Safety – to reduce the depth of the ditch area in case of potential accidents from Rt. 220.</b><br/> <b>Proactive – to reduce the possibility of the baseball field sloping again.</b></p>  |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>5. Status of Project, Plans, Specifications, etc.:</p> <p style="padding-left: 40px;"><b>Last Estimate acquired was October 26, 2023; would produce RFP.</b></p>  |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>6. Required Permits or Approval:</p> <p style="padding-left: 40px;"><b>Michael Tolson, County Maintenance Director, would inquire about and secure any necessary permits.</b></p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>7. Anticipated Start Date of Project: <b>July 1, 2025</b></p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>8. Anticipated Time of Construction or Anticipated Completion Date of Project:</p> <p style="padding-left: 40px;"><b>November 1, 2025</b></p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>9. Department Priority (see instructions for completing Capital Request Form):</p> <p style="padding-left: 40px;"> <input checked="" type="checkbox"/> Urgent<br/> <input type="checkbox"/> Necessary<br/> <input type="checkbox"/> Desirable         </p> <p style="padding-left: 40px;">Please explain department priority: (use additional sheet if necessary) _____</p> <p>_____</p> <p>_____</p>   |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <p>10. Total Estimated Capital Costs*:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Planning/Engineering/Legal</td> <td style="width: 20%; text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Land / Right-of-Way</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Construction</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Equipment / Furniture</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Other</td> <td style="text-align: right;"><b>\$110,000</b></td> </tr> <tr> <td colspan="2">Explain Other \$:</td> </tr> <tr> <td colspan="2" style="padding-left: 40px;"><b>Grade work and correcting a ditch line</b></td> </tr> <tr> <td colspan="2" style="padding-left: 40px;"><i>(price quote is from 10/26/23)</i></td> </tr> <tr> <td>Total Capital Project Cost</td> <td style="text-align: right;"><b>\$110,000</b></td> </tr> </table> <p>*Use Dollar Amounts*</p> | Planning/Engineering/Legal    | \$      | Land / Right-of-Way | \$      | Construction | \$ | Equipment / Furniture | \$ | Other | <b>\$110,000</b> | Explain Other \$: |  | <b>Grade work and correcting a ditch line</b> |  | <i>(price quote is from 10/26/23)</i> |  | Total Capital Project Cost | <b>\$110,000</b> | <p>11. Total Estimated Annual Operating Costs per year:*</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">FY25-26</th> <th style="width: 20%;">FY26-27</th> <th style="width: 20%;">FY27-28</th> <th style="width: 20%;">FY28-29</th> <th style="width: 20%;">FY29-30</th> </tr> </thead> <tbody> <tr> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> <td>\$ N/A</td> </tr> </tbody> </table> <p>*Explain all Savings, Revenues, and Trade-Ins:</p> <p>\$ N/A</p> <p>_____</p> <p>_____</p> <p>(use additional sheet if necessary)</p> | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$ N/A | \$ N/A | \$ N/A | \$ N/A | \$ N/A |
| Planning/Engineering/Legal   | \$                            |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Land / Right-of-Way  | \$                            |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Construction   | \$                            |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Equipment / Furniture  | \$                            |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Other  | <b>\$110,000</b>              |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Explain Other \$:  |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <b>Grade work and correcting a ditch line</b>  |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| <i>(price quote is from 10/26/23)</i>  |                               |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| Total Capital Project Cost   | <b>\$110,000</b>              |         |                     |         |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| FY25-26  | FY26-27                       | FY27-28 | FY28-29             | FY29-30 |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |
| \$ N/A   | \$ N/A                        | \$ N/A  | \$ N/A              | \$ N/A  |              |    |                       |    |       |                  |                   |  |   |  |                                       |  |                            |                  |  |         |         |         |         |         |        |        |        |        |        |

12. Cost Summary:

|              | FY25-26 | FY26-27          | FY27-28 | FY28-29 | FY29-30 | TOTAL            |
|--------------|---------|------------------|---------|---------|---------|------------------|
| County       |         | \$110,000        |         |         |         | \$110,000        |
| State        |         |                  |         |         |         |                  |
| Federal      |         |                  |         |         |         |                  |
| Other        |         |                  |         |         |         |                  |
| <b>TOTAL</b> |         | <b>\$110,000</b> |         |         |         | <b>\$110,000</b> |

FY2025-2030

Recommended method(s) of financing:

Current Revenue  \_\_\_\_\_ Capital Reserve Fund \_\_\_\_\_  
 Revenue Bond \_\_\_\_\_ Grant (type) \_\_\_\_\_  
 General Obligation \_\_\_\_\_ Loan (type) \_\_\_\_\_  
 Special Assessment \_\_\_\_\_

Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no  
 If yes, how many years could be expected? 25+ years

14. If this is a replacement, will this equipment be more cost effective? Explain how:  
 N/A

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?  
 YES

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered.)  
*Chapter 9 – Education. Objective D – Continue to upgrade existing facilities (at Bath County High School) to provide for long-term viability and avoid crisis points.*

17. Please attach a map showing the location of the project, if applicable.

**Planning Commission Use Only**

# BATH COUNTY CAPITAL PROJECT REQUEST FORM

| Department / Activity: <b>Bath County Public Schools</b>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
|---|-------------------------------|---------|---------------------|---------|--------------|------------------|-----------------------|----|-------|-------|-------------------|--|----------------------------------|--|-------|--|-------|--|---|--|----------------------|--|--|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|
| 1. Project Title: <b>BCHS Field House</b>   | 2. Priority #: _____ of _____ |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p><i>NOTE: Requests shall not be an aggregate total of projects/equipment that are grouped together to meet minimum dollar threshold (\$50,000 per request). For example: A garage door replacement should not be combined with a bathroom renovation request. All projects to be evaluated individually.</i></p>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>3. Project Description / Location (Please note Service Area and Magisterial District):</p> <p style="padding-left: 40px;"><b>Bath County High School - Construction of a field house to include locker rooms, weight room, restrooms, and concessions.</b></p>   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>4. Project Justification and/or Objectives:</p> <p style="padding-left: 40px;"><b>To provide safe, comfortable protection from the weather during game preparation and intermission.</b></p>   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>5. Status of Project, Plans, Specifications, etc.:</p> <p style="padding-left: 40px;"><b>Design Plans and Specifications would need to be developed.</b></p>   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>6. Required Permits or Approval:</p> <p style="padding-left: 40px;"><b>The Maintenance Director would need to work with the county to secure permits.</b></p>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>7. Anticipated Start Date of Project: <b>July 1, 2027</b></p>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>8. Anticipated Time of Construction or Anticipated Completion Date of Project:</p> <p style="padding-left: 40px;"><b>3 years</b></p>   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>9. Department Priority (see instructions for completing Capital Request Form):</p> <p style="padding-left: 40px;"> <input type="checkbox"/> Urgent<br/> <input checked="" type="checkbox"/> Necessary<br/> <input type="checkbox"/> Desirable         </p> <p style="padding-left: 40px;">Please explain department priority: (use additional sheet if necessary) _____</p> <p>_____</p> <p>_____</p>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <p>10. Total Estimated Capital Costs*:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Planning/Engineering/Legal</td> <td style="width: 20%; text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 40px;">Land / Right-of-Way</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 80px;">Construction</td> <td style="text-align: right;"><b>\$460,000</b></td> </tr> <tr> <td style="padding-left: 40px;">Equipment / Furniture</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="padding-left: 80px;">Other</td> <td style="text-align: right;">_____</td> </tr> <tr> <td colspan="2">Explain Other \$:</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Cost is only an estimate.</b></td> </tr> <tr> <td colspan="2">_____</td> </tr> <tr> <td colspan="2">_____</td> </tr> <tr> <td colspan="2">Total Capital Project Cost <b>\$460,000</b></td> </tr> <tr> <td colspan="2">*Use Dollar Amounts*</td> </tr> </table> | Planning/Engineering/Legal    | \$      | Land / Right-of-Way | \$      | Construction | <b>\$460,000</b> | Equipment / Furniture | \$ | Other | _____ | Explain Other \$: |  | <b>Cost is only an estimate.</b> |  | _____ |  | _____ |  | Total Capital Project Cost <b>\$460,000</b> |  | *Use Dollar Amounts* |  | <p>11. Total Estimated Annual Operating Costs per year:*</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">FY25-26</th> <th style="width: 20%;">FY26-27</th> <th style="width: 20%;">FY27-28</th> <th style="width: 20%;">FY28-29</th> <th style="width: 20%;">FY29-30</th> </tr> </thead> <tbody> <tr> <td>\$N/A</td> <td>\$N/A</td> <td>\$N/A</td> <td>\$N/A</td> <td>\$N/A</td> </tr> </tbody> </table> <p style="padding-left: 40px;">*Explain all Savings, Revenues, and Trade-Ins:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>(use additional sheet if necessary)</p> | FY25-26 | FY26-27 | FY27-28 | FY28-29 | FY29-30 | \$N/A | \$N/A | \$N/A | \$N/A | \$N/A |
| Planning/Engineering/Legal  | \$                            |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Land / Right-of-Way   | \$                            |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Construction  | <b>\$460,000</b>              |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Equipment / Furniture   | \$                            |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Other   | _____                         |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Explain Other \$:   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| <b>Cost is only an estimate.</b>  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| _____   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| _____   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| Total Capital Project Cost <b>\$460,000</b>   |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| *Use Dollar Amounts*  |                               |         |                     |         |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| FY25-26   | FY26-27                       | FY27-28 | FY28-29             | FY29-30 |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |
| \$N/A   | \$N/A                         | \$N/A   | \$N/A               | \$N/A   |              |                  |                       |    |       |       |                   |  |                                  |  |       |  |       |  |   |  |                      |  |  |         |         |         |         |         |       |       |       |       |       |

12. Cost Summary:

|              | FY25-26 | FY26-27 | FY27-28   | FY28-29 | FY29-30 | TOTAL     |
|--------------|---------|---------|-----------|---------|---------|-----------|
| County       |         |         | \$460,000 |         |         | \$460,000 |
| State        |         |         |           |         |         |           |
| Federal      |         |         |           |         |         |           |
| Other        |         |         |           |         |         |           |
| <b>TOTAL</b> |         |         | \$460,000 |         |         | \$460,000 |

FY2025-2030

Recommended method(s) of financing:

Current Revenue  \_\_\_\_\_ Capital Reserve Fund  \_\_\_\_\_  
 Revenue Bond \_\_\_\_\_ Grant (type) \_\_\_\_\_  
 General Obligation \_\_\_\_\_ Loan (type) \_\_\_\_\_  
 Special Assessment \_\_\_\_\_  
 Other: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Does request have a life expectancy of 10 years or greater?  yes  no  
 If yes, how many years could be expected? 25+ years

14. If this is a replacement, will this equipment be more cost effective? Explain how:  
 N/A

15. Does this request go along with the goals and objectives of the Bath County Comprehensive Plan?  
 YES

16. If so, please indicate what section of the Comprehensive Plan and the appropriate goals and recommendations. (If you fail to answer questions 15 & 16, your application will not be considered.)  
*Chapter 9 – Education. Objective D – Continue to upgrade existing facilities at Bath County High School to provide for long-term viability and avoid crisis points.*

17. Please attach a map showing the location of the project, if applicable.

**Planning Commission Use Only**

Building, Planning & Zoning  
P.O. BOX 216  
WARM SPRINGS, VIRGINIA  
24484



PHONE: 540.839.7236  
FAX: 540.839.7222

**Bath County Planning Commission  
Bath County Courthouse – Room 115  
Monday, October 28, 2024 - 6:00 P.M.**

**PLANNING COMMISSION MEMBERS PRESENT:** Chairman John Loeffler, Vice-Chair John Cowden, Monroe Farmer, Mark Hall

**MEMBERS ABSENT:** Bill Gram

**PUBLIC IN ATTENDANCE:** Zack Potter (Recorder)

**STAFF PRESENT:** Sherry Ryder

**CALL TO ORDER:**

**Chairman Loeffler** called the Bath County Planning Commission meeting to order at 6:00 p.m.

**ACKNOWLEDGE PUBLIC IN ATTENDANCE:**

Chairman Loeffler welcomed everyone.

**PUBLIC COMMENT- MATTERS UNRELATED TO THE AGENDA:** None

**ADDITIONS OR CORRECTIONS TO THE AGENDA:**

**Sherry Ryder: Under New Business** we need to discuss the November and December meeting dates.

**PUBLIC HEARING(S):**

- **Amendment to Ordinance** – Section 18-16 of Bath County Code – to allow for civil penalties for zoning violations.

**Julian Harf** – (Joined the meeting by phone). He explained the changes to Section 18-16 of the Code. This change is something we have to do to include civil penalties. The Civil penalties is optional, but it allows Sherry as Zoning Administrator to issue a citation to the individual rather than go through the criminal process, which is more involved and ends up with a trial and criminal penalty. The changes allow for a Civil penalty instead of a criminal. It still allows penalty charges, but avoids a criminal record for issues that don't need to get to that level. Having both offer options, but you cannot do both

on the same matter. With the Civil option, the charges get greater with more violations so the more harm you do, the greater you will feel it. He then asked if they had any questions.

**Chairman Loffler:** My question is, what if the civil penalties go unpaid? What is the time frame?

**Julian Harf** stated we could issue a civil action in court and the court can require them to correct the issue and if they don't, they can be held in contempt. That can lead to jail time.

**Chairman Loffler:** Is there ever a lien placed on the property?

**Julian Harf** said it could end up with the charges being tacked on as a lien for the fines with the taxes and then could be sold through the Treasurer's office.

**Sherry Ryder:** I think it will be a good tool for zoning to have the option to do either/or. Sometimes we don't have a Magistrate, only a video magistrate, and now we have a part time Magistrate. They don't know Bath County Code and it can take time to get something written up.

**Chairman Loffler:** I'll close the public comment. Any discussion? A motion?

**Vice-Chair Cowden:** I make a motion, since the Board of Supervisors of Bath County desires we provide an option for the Zoning Administrator to enforce zoning violations with a civil rather than a Criminal penalty that we recommend to the Board of Supervisors to adopt the amendment to Section 18-16 of the Bath County Code to reference changes presented to the Bath County Planning Commission on October 28, 2024.

**Mr. Hall:** Second.

**VOTE: 4-0** Motion approved.

**Sherry Ryder**

**CHAIRMAN'S REPORT - None**

**STAFF REPORT:**

**Sherry Ryder:** My report is in your packet. I will gladly answer any questions you may have.

**OLD BUSINESS:** None

**NEW BUSINESS:** Discuss November and December meeting dates.

**Sherry Ryder:** Our November meeting date falls on the week of Thanksgiving. I am asking you if this will be a conflict with anything else you may be doing. Currently, I have no applications for a CUP for November and I would need to get it in by this Thursday in order to have time to advertise. The December meeting date falls on the week of Christmas.

**The Board** discussed the meeting dates.



**Chairman Loeffler:** Do I hear a motion?

**Vice-Chair Cowden:** I make a motion to cancel the November 25<sup>th</sup> meeting unless there is a Public Hearing Application brought up between now and Thursday, the deadline. Reschedule the December 23<sup>rd</sup> meeting to the 18<sup>th</sup> if the Commission has any Planning business to conduct. If not, the December meeting will be cancelled.

**Mr. Hall:** Second.

**Vote: 4-0** Motion passed.

**APPROVE MINUTES:**

**Chairman Loeffler:** Do I hear a motion to approve the September 23rd meeting minutes?

**Mr. Farmer:** On page three under Mr. Gram, the meeting date should be the 28<sup>th</sup> not the 21<sup>st</sup>.

**Vice-Chair Cowden:** I make a motion to approve the minutes of September 28, 2024 with correction.

**Mr. Hall:** Second.

**VOTE: 3-0-1** (Mr. Farmer was absent) Minutes approved with correction.

**ADJOURN**

**Mr. Farmer:** Motion to adjourn.

**Vice-Chair Cowden:** Second.

\_\_\_\_\_  
Chairman John Loeffler

\_\_\_\_\_  
Date