## Traffic Control

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>Auto Flood Warning-Brds/Rds</td>
<td>247</td>
</tr>
<tr>
<td>Developer Streetlights</td>
<td>246</td>
</tr>
<tr>
<td>Guardrail</td>
<td>239</td>
</tr>
<tr>
<td>New Streetlighting</td>
<td>243</td>
</tr>
<tr>
<td>New Traffic Signals</td>
<td>241</td>
</tr>
<tr>
<td>Nghborhd Traf Con</td>
<td>242</td>
</tr>
<tr>
<td>SL Pole Replacement</td>
<td>245</td>
</tr>
<tr>
<td>Streetlight Conversion</td>
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<tr>
<td>Traffic Signal Mod</td>
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<td>Project Class</td>
<td>Project Title</td>
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<td>Guardrail</td>
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<td>New Streetlighting</td>
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<td>SL Pole Replacement</td>
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## Capital Budget and Program

### Anne Arundel County, Maryland

### FY2024 Council Approved Project Class Summary - Funding Detail

<table>
<thead>
<tr>
<th>Project Class</th>
<th>FY2024 Council Approved</th>
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<tr>
<td>Traffic Control</td>
<td>Total</td>
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<tr>
<td>Bonds</td>
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<tr>
<td>Grants &amp; Aid</td>
<td>$200,000</td>
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<tr>
<td>Other</td>
<td>$24,027,058</td>
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</table>

### Traffic Control

- **Bonds**
  - General County Bonds: $23,293,048
  - Other State Grants: $200,000
  - Other: $24,027,058

- **Grants & Aid**
  - Other Fed Grants: $40
  - Other State Grants: $200,000

- **Other**
  - Developer Contribution: $24,000,000
  - Miscellaneous: $27,058

- **Traffic Control**
  - Total: $47,520,106
  - Prior: $26,345,106
  - FY2024: $3,675,000
  - FY2025: $3,500,000
  - FY2026: $3,500,000
  - FY2027: $3,500,000
  - FY2028: $3,500,000
  - FY2029: $3,500,000
Anne Arundel County, Maryland

Capital Budget and Program

FY2024 Council Approved

H479100 Guardrail

Project Class: Traffic Control
Dept: DPW-Hwys

Description

This project is to install guardrails at potential accident locations for traffic safety and to upgrade guardrail installations that no longer meet safety standards.

Benefit

Increased public safety.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increased per current cost estimates and identified projects; Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $330,000
Year First Apprvd: 1999
Est. Operating Budget Impact: Potential savings/cost avoidance

As of:

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Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed $60k via AMD #41 to Bill 35-08. County Council removed $45k via AMD #46 to Bill 24-09. County Council removed $40k in the prgm via AMD #51 to Bill 27-11.

Location

Page 239
Description
This project funds upgrading or replacement of traffic control equipment which is obsolete, outdated, or non-maintainable including associated software upgrades & related services required to run the County’s traffic signal system. Also funds the yearly area-wide maintenance contract. This project will also allow the County to fund the maintenance of traffic control equipment at State owned intersections.

Benefit
Continued safe and efficient operation of County owned traffic signals.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: Add to the end of the first sentence "including associated software upgrades and related services required to run the County’s traffic signal system."
2. Change in Total Project Cost: Added FY29 funding
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $300,000
Year First Approv: 1999
Est. Operating Budget Impact: Potential savings/cost avoidance

Amendment History
Prior approval has been adjusted to show the combination of H4679, Signal Equipment 98.
Prior approval has been adjusted to show the closing of jobs on this project.

Location
Countywide

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<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
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<th>6 Yr Plus*</th>
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More (Less) Than FY23 Approved
* = 000's
H479400  New Traffic Signals

**Capital Budget and Program**  
**FY2024 Council Approved**  
**Anne Arundel County, Maryland**

**Project Class:** Traffic Control  
**Dept:** DPW-Hwys

### Description

This project will fund the construction of new traffic control equipment on County roadways including associated software upgrades & related services required to run the County's traffic signal system. Includes the construction of new Intelligent Transportation Systems (ITS) such as video detection and monitoring, automated count stations & communication systems to coordinate signals. The County will share costs proportional to its ownership of the number of approach roads to the intersections.

### Benefit

Increased public safety. This project will also allow the County to participate in the construction of traffic control equipment at State owned intersections.

### Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

### Changes from Prior Year

1. Change in Name or Description: Add at end of second sentence "including associated software upgrades and related services required to run the County's traffic signal system."
2. Change in Total Project Cost: Added FY29 funding and correct Other Federal Funding
3. Change in Scope: None
4. Change in Timing: None

### Financial Information

- **Initial Total Cost Est:** $1,800,000
- **Year First Apprvd:** 1999
- **Est. Operating Budget Impact:** Less than $100,000 per year

### Amendment History

Prior approval was increased by $183k in Council Bill #75-98. Prior approval has been adjusted to show the combination of H4682, New Traffic Sig 98. Prior approval has been adjusted to show the closing of jobs on this project.

### Location

Countywide

### Phase Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* 6 Yr Total* 6 Yr Plus*

**Plans and Engineering**

- $18,836  
- ($83,164)  
- $17,000  
- $17  
- $17  
- $17  
- $17  
- $102  
- $0

**Land**

- $17,261  
- $11,261  
- $1,000  
- $1  
- $1  
- $1  
- $1  
- $6  
- $0

**Construction**

- $3,723,186  
- $1,833,186  
- $315,000  
- $315  
- $315  
- $315  
- $315  
- $1,890  
- $0

**Overhead**

- $222,032  
- $120,032  
- $17,000  
- $17  
- $17  
- $17  
- $17  
- $102  
- $0

**Furn., Fixtures and Equip**

- ($9,600)  
- ($9,600)  
- $0  
- $0  
- $0  
- $0  
- $0  
- $0  
- $0

**Other**

- $113,000  
- $113,000  
- $0  
- $0  
- $0  
- $0  
- $0  
- $0  
- $0

**Approved**

- $4,084,716  
- $1,984,716  
- $350,000  
- $350  
- $350  
- $350  
- $350  
- $2,100  
- $0

### Funding Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* 6 Yr Total* 6 Yr Plus*

**General County Bonds**

- $4,084,716  
- $1,984,676  
- $350,040  
- $350  
- $350  
- $350  
- $350  
- $2,100  
- $0

**Other Fed Grants**

- $0  
- $40  
- ($40)  
- $0  
- $0  
- $0  
- $0  
- $0  
- $0

**Approved**

- $4,084,716  
- $1,984,716  
- $350,000  
- $350  
- $350  
- $350  
- $350  
- $2,100  
- $0

* = 000's

More (Less) Than FY23 Approved

- $0  
- $0  
- $0  
- $0  
- $0  
- $350  
- $350  
- $0  
- $0
Capital Budget and Program

H479500 Nghbrhd Traf Con

Description
Funds are requested to construct various traffic calming devices on neighborhood streets in order to control traffic speeds and related services required to maintain the County's Neighborhood Traffic Control asset inventory. Installation of these devices will be undertaken after discussion with the community.

Benefit
Increased public safety.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: Added "and related services required to maintain the County's Neighborhood Traffic Control asset inventory" at end of first sentence.
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

Changes from Prior Year

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<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
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<td>$387,618</td>
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<td>$150</td>
<td>$900</td>
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Financial Information

Initial Total Cost Est: $1,200,000
Year First Apprvd: 1999
Est. Operating Budget Impact: Less than $100,000 per year

Amendment History
Prior approval has been adjusted to show the combination of H4677, Nghbrhd Traf Con 98. Prior approval has been adjusted to show the closing of jobs on this project. Removed $50k via amendment #28 to Bill 46-13. Removed $100,000 via AMD #23 to Bill 23-14.

Location
Countywide
H542100  New Streetlighting

**Description**

This project will be used to fund the installation of new streetlights to improve safety and reduce crime. Streetlights will be installed at locations to enhance the safety of pedestrians in the impact area.

**Benefit**

To improve safety and reduce crime by improving levels of illumination at specific problem locations identified by the Police Department.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

**Changes from Prior Year**

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<th>Phase</th>
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<th>FY2025*</th>
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**Financial Information**

Initial Total Cost Est: $1,800,000
Year First Apprvd: 2008
Est. Operating Budget Impact: Less than $100,000 per year

**Amendment History**

Prior approval has been adjusted to show the closing of jobs on this project.

**Location**

Countywide

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More (Less) Than FY23 Approved

* = .00's

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<th>Construction</th>
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<td>($75,000)</td>
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<td>($75)</td>
<td>($75)</td>
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</table>
Conversion of County-owned streetlights to LED streetlights in order to reduce operating costs. These funds will allow the acquisition of related services required to maintain the County's Street Light asset inventory. Mercury vapor streetlights present a hazardous waste issue, requiring replacement by other fixtures as these burn out. Sodium vapor streetlights use significantly more energy than LED streetlights. LED streetlights have been added to BGE's inventory, reducing energy costs and eliminating annual maintenance costs.

Improved efficiency of overall operation and regulatory compliance.

1. Change in Name or Description: Replaced last sentence of first paragraph with "These funds will allow the acquisition of related services required to maintain the County's Street Light asset inventory."
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

General County Bonds
Approved

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<th>Phase</th>
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<th>FY2024</th>
<th>FY2025*</th>
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Financial Information
Initial Total Cost Est: $1,445,000
Year First Apprvd: 2013
Est. Operating Budget Impact: Potential savings/cost avoidance

Amendment History

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Location
Countywide

More (Less) Than FY23 Approved
" *= 00's

Page 244
## Capital Budget and Program

### FY2024 Council Approved

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<td>H563600</td>
<td>DPW-Hwys</td>
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### Description

This project is to replace all pre-1996 street light poles and fixtures over a fifteen year period and will allow the acquisition of related services required to maintain the County's Street Light asset inventory.

The County owns approximately 12,000 fiberglass street light poles and fixtures on County roadways installed prior to 1996. Fiberglass poles and fixtures, generally have a lifespan of 20-25 years.

### Benefit

Health/Safety, Rehabilitation and Replacement. Replacement of failing street light poles prevents potential injury to passers-by and/or damage to property, or potential safety hazard from falling fixtures. Older poles also "bloom", a condition where the fiberglass material delaminates and splinters. Replacing these poles eliminates the safety hazard to pedestrians brushing up against the splinters.

### Project Status

1. **Current Status Of This Project: Active**
2. **Action Taken In Current Fiscal Year: Multi-Year**
3. **Action Required To Complete This Project: Multi-Year**

### Changes from Prior Year

1. **Change in Name or Description:** Replaced last sentence of first paragraph with "These funds will allow the acquisition of related services required to maintain the County's Street Light asset inventory."
2. **Change in Total Project Cost:** Added FY29 funding.
3. **Change in Scope:** None
4. **Change in Timing:** None

### Financial Information

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### Amendment History

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<th>More (Less) Than FY23 Approved</th>
</tr>
</thead>
<tbody>
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### Phase Details

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<tr>
<th>Phase</th>
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<th>Prior</th>
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<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
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<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
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<tbody>
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<tr>
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<td>$500</td>
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* = 000's
**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

**Benefit**

Service Expansion to provide street lighting for safety and security of pedestrians and motorists in new subdivisions.

**Financial Information**

- Initial Total Cost Est: $12,000,000
- Year First Apprvd: 2015
- Est. Operating Budget Impact: Indeterminate

**Amendment History**

<table>
<thead>
<tr>
<th>As of</th>
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<th>Encumbered</th>
<th>Total</th>
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<tbody>
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**Location**

Countywide

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**Description**

This project enables the use of funds paid by developers through Public Works Agreements into a special revenue fund, in accordance with Bill 104-13, for the installation of streetlights in new developments.

**Phase**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
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<th>6 Yr Plus*</th>
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</thead>
<tbody>
<tr>
<td>Other</td>
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More (Less) Than FY23 Approved

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<tr>
<th>FY2024*</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
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<th>6 Yr Plus*</th>
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<td>$0</td>
<td>$1,500</td>
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</table>
**Description**

This project will expand the County's flood warning network with additional advisory message systems at 15 flood prone bridges and road segments, and add road closure systems at three specific locations along Brock Bridge Road at crossings over the Patuxent River, Little Patuxent River, and Dorsey Run, and a fourth location along Patuxent River Road.

**Benefit**

Improved roadway and traffic safety.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction, Performance
3. Action Required To Complete This Project: Performance

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

Initial Total Cost Est: $2,166,000
Year First Approv: 2017
Est. Operating Budget Impact: Indeterminate

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<th>As of</th>
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**Amendment History**

Location: Countywide

**Phase**

<table>
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<tr>
<th>Phase</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
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**Funding**

<table>
<thead>
<tr>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
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<th>6 Yr Total*</th>
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</tr>
</thead>
<tbody>
<tr>
<td>General County Bonds</td>
<td>$3,866,000</td>
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