

**TITLE:** Traffic Signal Fiber Connections (23303)

**STATUS:** Ongoing

**LOCATION:** Townwide

**DESCRIPTION:** This project will provide for the installation of fiber optic connections to Town traffic signals to ensure system connectivity which will ensure traffic signal system connectivity for monitoring signal operations and communications. The project will also connect the remaining unconnected signals to the Town's traffic system network. This includes signals at the following intersections: Dry Mill Road/Catoctin Circle, West Market Street/Catoctin Circle/Fairview Avenue, Battlefield Parkway/Shanks Evans Road, Battlefield Parkway/Tennessee Drive, North King Street/Battlefield Parkway, North King Street/Dry Hollow Road, and North King Street/Smarts Mill Lane.

**OPERATING IMPACT:** Minimal.

**GOAL ADDRESSED:** Legacy Leesburg Town Plan (2022): Strategy 4.3.2 - Manage Traffic and Congestion

**ESTIMATED COMPLETION DATE:** Fall 2028



|    | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 |
|----|------|------|------|------|------|------|
| DE |      |      |      |      |      |      |
| LA |      |      |      |      |      |      |
| CN |      |      |      |      |      |      |

**Funding Sources**

| Sources              | Total Required Project Funding | Approp. Through 6/30/25 |                 |                 |                  |                 |            |            | Total 6 Yr CIP   | Future Funds Required |
|----------------------|--------------------------------|-------------------------|-----------------|-----------------|------------------|-----------------|------------|------------|------------------|-----------------------|
|                      |                                |                         | 2026            | 2027            | 2028             | 2029            | 2030       | 2031       |                  |                       |
| Line of Credit       | 352,501                        | 7,501                   | 20,000          | 60,000          | 255,000          | 10,000          | —          | —          | 345,000          | —                     |
| PAY-GO               | 537,499                        | 537,499                 | —               | —               | —                | —               | —          | —          | —                | —                     |
| <b>Total Sources</b> | <b>\$890,000</b>               | <b>\$545,000</b>        | <b>\$20,000</b> | <b>\$60,000</b> | <b>\$255,000</b> | <b>\$10,000</b> | <b>\$—</b> | <b>\$—</b> | <b>\$345,000</b> | <b>\$—</b>            |

**Planned Uses**

| Uses                       | Total Project Cost | Approp. Through 6/30/25 |                 |                 |                  |                 |            |            | Total 6 Yr CIP   | Future Project Cost |
|----------------------------|--------------------|-------------------------|-----------------|-----------------|------------------|-----------------|------------|------------|------------------|---------------------|
|                            |                    |                         | 2026            | 2027            | 2028             | 2029            | 2030       | 2031       |                  |                     |
| Project Management         | 85,000             | 15,000                  | 20,000          | 20,000          | 20,000           | 10,000          | —          | —          | 70,000           | —                   |
| Design/Engineering         | 40,000             | —                       | —               | 40,000          | —                | —               | —          | —          | 40,000           | —                   |
| Facility Repair/Renovation | 765,000            | 530,000                 | —               | —               | 235,000          | —               | —          | —          | 235,000          | —                   |
| <b>Total Uses</b>          | <b>\$890,000</b>   | <b>\$545,000</b>        | <b>\$20,000</b> | <b>\$60,000</b> | <b>\$255,000</b> | <b>\$10,000</b> | <b>\$—</b> | <b>\$—</b> | <b>\$345,000</b> | <b>\$—</b>          |

**Operating Impact**

| Operating/Maintenance | 2026       | 2027       | 2028       | 2029       | 2030       | 2031       |
|-----------------------|------------|------------|------------|------------|------------|------------|
| N/A                   | —          | —          | —          | —          | —          | —          |
| <b>Total Impact</b>   | <b>\$—</b> | <b>\$—</b> | <b>\$—</b> | <b>\$—</b> | <b>\$—</b> | <b>\$—</b> |