**Project Title:** Roadway Sign Stripe and Signal

**Council District(s):** CW

**Project Location:** Countywide

**Project Number:** PW0057-01

**Department:** Public Works

**Program Area:** Roads/Infrastructure/Transportation

**Ordinance No.:**

**BT No.:**

**Useful Life:** 6-10 Years

**Project Completion Date:** Ongoing

**Project Description:**

This project supports the Traffic Engineering Division's county-wide effort to re-stripe and re-sign deficient roadways. Additional efforts include signal repair and replacement or enhancement of traffic signal equipment.

**Justification:**

Roadways that lack or are missing lane lines/lane control markings (arrows, etc.) are difficult to traverse with opposing traffic. Drivers are exposed to side swipe and off-set head on collisions. Turns and curves are critical segments that require clear lane delineation. Repair of signalized intersections is critical in providing traffic control during weekday peak periods. Signs are replaced as reflectivity is reduced. Regulatory signs and school zones are critical locations. Signs useful life: 10 years, Signal useful life: 8 years, Striping useful life: 6 years.

| Funding Sources | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Contributions from Component Units | $ 3,772,748 | 3,772,748 | | | | | | |
| Debt Proceeds / Borrowed Funds | $ 1,271,342 | 2,071,342 | (800,000) | | | | | |
| Pay-Go | $ 11,085,176 | 11,085,176 | | | | | | |
| Interest Earnings | $ 403,208 | 403,208 | | | | | | |
| Judgements Recovered | $ - | | | | | | | |
| Grant / Trust Fund | $ - | | | | | | | |
| **Totals** | $ 16,532,474 | $ 17,332,474 | $ (800,000) | $ - | $ - | $ - | $ - | $ - |

| Expenditures/Project Phase | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Internal Services | $ 9,301 | 9,301 | | | | | | |
| Land Acquisition & Site Preparation | $ 347 | 347 | | | | | | |
| Construction | $ 16,510,324 | 17,310,324 | (800,000) | | | | | |
| Operating Supplies | $ 12,502 | 12,502 | | | | | | |
| Misc. Equipment & Furnishings | $ - | | | | | | | |
| Reserves | $ - | | | | | | | |
| **Totals** | $ 16,532,474 | $ 17,332,474 | $ (800,000) | $ - | $ - | $ - | $ - | $ - |

| Operating Budget Impact | Total | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|
| Full Time Equivalents | - | | | | | | |
| Personnel Expenses | $ - | | | | | | |
| Contractual Services | $ - | | | | | | |
| Utilities | $ - | | | | | | |
| Materials/Supplies | $ - | | | | | | |
| Equipment | $ - | | | | | | |
| Annual Debt Service | $ - | | | | | | |
| **Totals** | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Project Title:** Pearl Street - 44th Street Intersection **Council District(s):** 7

**Project Location:** Intersection of Pearl Street and 44th Street **Project Number:** PW0598-02

**Department:** Public Works **Program Area:** Roads/Infrastructure/Transportation

**Ordinance No.:** **BT No.:** **Useful Life:** **Project Completion Date:**

**Project Description:**

This allocation funds the design and construction of a traffic signal and overhead fiber interconnect along East 44th Street between Pearl Street and Main Street. Design will include special emphasis crosswalks (this intersection is a school crossing with an elementary school north of the intersection) with upgraded ADA compliant ramps , pedestrian signal phasing, and extended left-turn bays on Pearl Street. The Jacksonville Transit Authority bus stop on the north approach will be relocated further downstream for intersection safety.

**Justification:**

This project will result in an increased roadway and pedestrian safety. The extended left-turn bays and left-turn signal phasing will prevent left-turn spillover into the through traffic lane. The fiber interconnect will allow for communication between the signals and the Traffic Management Center at the City of Jacksonville.

| Funding Sources | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Contributions from Component Units | $ - | | | | | | | |
| Debt Proceeds / Borrowed Funds | $ 800,000 | | 800,000 | | | | | |
| Pay-Go | $ - | | | | | | | |
| Interest Earnings | $ - | | | | | | | |
| Judgements Recovered | $ - | | | | | | | |
| Grant / Trust Fund | $ - | | | | | | | |
| **Totals** | $ 800,000 | $ - | $ 800,000 | $ - | $ - | $ - | $ - | $ - |

| Expenditures/Project Phase | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Capital Professional Services | $ - | | | | | | | |
| Land Acquisition & Site Preparation | $ - | | | | | | | |
| Construction | $ 800,000 | | 800,000 | | | | | |
| Capital Equipment | $ - | | | | | | | |
| Misc. Equipment & Furnishings | $ - | | | | | | | |
| Reserves | $ - | | | | | | | |
| **Totals** | $ 800,000 | $ - | $ 800,000 | $ - | $ - | $ - | $ - | $ - |

| Operating Budget Impact | Total | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|
| Full Time Equivalents | - | | | | | | |
| Personnel Expenses | $ - | | | | | | |
| Contractual Services | $ - | | | | | | |
| Utilities | $ - | | | | | | |
| Materials/Supplies | $ - | | | | | | |
| Equipment | $ - | | | | | | |
| Annual Debt Service | $ - | | | | | | |
| **Totals** | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Project Title:** Countywide Intersection Imp & Bridge Rehab - Intersections **Council District(s):** CW

**Project Location:** Countywide **Project Number:** PW0381-03

**Department:** Public Works **Program Area:** Roads/Infrastructure/Transportation

**Ordinance No.:** **BT No.:** **Useful Life:** 20 Years **Project Completion Date:** Ongoing

**Project Description:**

This allocation funds county-wide enhancements to City intersections. The enhancements are focused on City intersection safety and capacity improvements to mitigate hazardous conditions and enhance roadway traffic flow and operations throughout Jacksonville. The Public Works Department has developed a prioritization process to identify sites that require mitigation of safety issues and sites with persistent capacity issues.

**Justification:**

Locations experiencing noticeable volumes of crashes may be improved with corrective measures that will mitigate targeted crash types and crash/conflict contributing factors. The work is usually minor and improvement plans are selected based on anticipated reduction in crashes or elimination of factors that contribute to crashes. It provides flexibility to address unforeseen needs rapidly, since the funding is already in place.

| Funding Sources | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Contributions from Component Units | $ 27,675 | 27,675 | | | | | | |
| Debt Proceeds / Borrowed Funds | $ 605,218 | 1,405,218 | (800,000) | | | | | |
| Pay-Go | $ 53,291 | 53,291 | | | | | | |
| Interest Earnings | $ 644,420 | 644,420 | | | | | | |
| Judgements Recovered | $ - | | | | | | | |
| Grant / Trust Fund | $ - | | | | | | | |
| **Totals** | $ 1,330,604 | $ 2,130,604 | $ (800,000) | $ - | $ - | $ - | $ - | $ - |

| Expenditures/Project Phase | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Capital Professional Services | $ - | | | | | | | |
| Land Acquisition & Site Preparation | $ - | | | | | | | |
| Construction | $ 1,330,604 | 2,130,604 | (800,000) | | | | | |
| Capital Equipment | $ - | | | | | | | |
| Misc. Equipment & Furnishings | $ - | | | | | | | |
| Reserves | $ - | | | | | | | |
| **Totals** | $ 1,330,604 | $ 2,130,604 | $ (800,000) | $ - | $ - | $ - | $ - | $ - |

| Operating Budget Impact | Total | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|
| Full Time Equivalents | - | | | | | | |
| Personnel Expenses | $ - | | | | | | |
| Contractual Services | $ - | | | | | | |
| Utilities | $ - | | | | | | |
| Materials/Supplies | $ - | | | | | | |
| Equipment | $ - | | | | | | |
| Annual Debt Service | $ - | | | | | | |
| **Totals** | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Project Title:** University Blvd - University Blvd & Jack Rd Intersection MP **Council District(s):** 1

**Project Location:** Intersection of University Boulevard and Jack Road **Project Number:** PW0768-03

**Department:** Public Works **Program Area:** Roads/Infrastructure/Transportation

**Ordinance No.:** **BT No.:** **Useful Life:** **Project Completion Date:**

**Project Description:**

This allocation funds the design and construction of a traffic signal and overhead fiber interconnect along University Boulevard between Merrill Road and Fort Caroline Road. Design will include special emphasis crosswalks with upgraded ADA compliant ramps and pedestrian signal phasing. Design will also include coordination with Arlington Community Redevelopment Area and Jacksonville University.

**Justification:**

This project will result in an increased roadway and pedestrian safety. It will provide a safe crossing location for pedestrians to access the Public Library, Catholic Church and School, and several residential neighborhoods located east of the corridor; it will provide a safe crossing location for pedestrians to access Jacksonville University and the Assisted Living Facility west of the corridor. The fiber interconnect will allow for communication between the signals and the Traffic Management Center at the City of Jacksonville. Signalizing this intersection will create gaps in traffic flow that will enhance the operation of the planned roundabout 3,000 feet to the south at the Merrill Road Intersection.

| Funding Sources | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Contributions from Component Units | $ - | | | | | | | |
| Debt Proceeds / Borrowed Funds | $ 800,000 | | 800,000 | | | | | |
| Pay-Go | $ - | | | | | | | |
| Interest Earnings | $ - | | | | | | | |
| Judgements Recovered | $ - | | | | | | | |
| Grant / Trust Fund | $ - | | | | | | | |
| **Totals** | $ 800,000 | $ - | $ 800,000 | $ - | $ - | $ - | $ - | $ - |

| Expenditures/Project Phase | Total | Prior Years | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|---|
| Internal Services | $ - | | | | | | | |
| Land Acquisition & Site Preparation | $ - | | | | | | | |
| Construction | $ 800,000 | | 800,000 | | | | | |
| Operating Supplies | $ - | | | | | | | |
| Misc. Equipment & Furnishings | $ - | | | | | | | |
| Reserves | $ - | | | | | | | |
| **Totals** | $ 800,000 | $ - | $ 800,000 | $ - | $ - | $ - | $ - | $ - |

| Operating Budget Impact | Total | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 | Beyond 5th |
|---|---|---|---|---|---|---|---|
| Full Time Equivalents | - | | | | | | |
| Personnel Expenses | $ - | | | | | | |
| Contractual Services | $ - | | | | | | |
| Utilities | $ - | | | | | | |
| Materials/Supplies | $ - | | | | | | |
| Equipment | $ - | | | | | | |
| Annual Debt Service | $ - | | | | | | |
| **Totals** | $ - | $ - | $ - | $ - | $ - | $ - | $ - |