



## PROPOSAL FOR CONSTRUCTION ENGINEERING & INSPECTION SERVICES

### **Raised Intersections Project City of Lawrenceville, Georgia**

#### **Project Understanding**

The City of Lawrenceville is planning construction of two raised intersections, including demolition, grading, storm drainage, concrete pavement, decorative brick pavers, ADA improvements, thermoplastic striping, signage, and traffic control. Construction will follow GDOT standards and specifications and is anticipated to be completed within 270 calendar days.

Atlas Technical Consultants understands that the project includes substantial coordination of traffic control (MOT), storm drainage reconstruction, concrete pavement, and decorative hardscape elements, requiring consistent construction inspection and periodic construction engineering oversight.

#### **Scope of CEI Services**

Atlas proposes to provide full Construction Engineering and Inspection services, including but not limited to:

##### **Pre-Construction Phase**

- Pre-construction conference attendance
- Review of construction schedule, MOT plans, and submittals
- Coordination with City staff and utility owners
- Establishment of project documentation and reporting protocols

##### **Construction Phase**

- Daily on-site construction inspection
- Verification of construction in accordance with GDOT standards and contract documents
- Inspection of:
  - Demolition, grading, and erosion control
  - Storm drainage systems (pipes, inlets, manholes)
  - Concrete curb, gutter, pavement, and raised intersection features
  - Brick pavers, decorative center features, and sidewalks
  - ADA truncated domes and crosswalk improvements
  - Traffic control and striping
- Review of contractor pay quantities and pay applications
- Weekly progress reporting
- Coordination meetings with City and Contractor
- Response to RFIs and field issues



### Materials Testing & Geotechnical Support (As Needed)

- Review of subgrade conditions
- Coordination of concrete testing results
- Engineering support for unforeseen subsurface conditions

### Project Close-Out

- Final inspection and punch list
- Substantial and final completion documentation
- Review of as-built quantities
- Final CEI report

### Assumptions Used for Man-Hour Estimate

- Construction duration: 270 calendar days (~9 months)
- Average inspection coverage: 3 days per week, 8 hours per day  
(Increased coverage during concrete, drainage, and paving operations)
- Two raised intersections constructed under a single contract
- Night work
- Materials testing performed under Atlas' existing contract or on an as-needed basis

### Exclusions and Optional Services

The following services are not included but may be provided if requested:

- Full-time inspection (5 days/week)
- Laboratory materials testing
- Surveying services
- Public outreach support
- Claims analysis or expert testimony

### Conclusion

Atlas Technical Consultants is well-qualified to provide CEI services for the City of Lawrenceville's Raised Intersections Project. Our team brings extensive experience with GDOT-funded roadway projects, decorative hardscape construction, and urban traffic control, ensuring the project is delivered in compliance with contract requirements, on schedule, and with a high standard of quality.



**Raised Intersection (Crogan & Perry / Clayton & Pike)**  
 Construction Inspection and Testing Proposal  
 City of Lawrenceville

<b>PERSONNEL COSTS:</b>	<b>EST HRS</b>	<b>RATE/HR</b>	<b>COST(\$)</b>
<b>CONSTRUCTION ENGINEERING AND INSPECTION</b>			
PROJECT MANAGER	30	\$185.69	\$5,570.70
CONSTRUCTION MANAGER	180	\$112.54	\$20,257.20
CONSTRUCTION INSPECTOR	1140	\$78.78	\$89,809.20
OFFICE ENGINEER	16	\$95.66	\$1,530.56
GEOTECHNICAL ENGINEER	20	\$151.92	\$3,038.40
		<b>SUBTOTAL</b>	<b>\$120,206.06</b>
<b>ROADWAY TESTING</b>			
PROJECT MANAGER	20	\$185.69	\$3,713.80
TECHNICIAN	80	\$78.78	\$6,302
ASPHALT EXTRACTION TEST	2	\$250.00	\$500
MODIFIED PROCTOR (GAB)	1	\$185.00	\$185
STANDARD PROCTOR	1	\$150.00	\$150
CYLINDER BREAKS	36	\$20.00	\$720
		<b>SUBTOTAL</b>	<b>\$11,571</b>
<b>DIRECT COSTS</b>			
		REPRODUCTION/PLOTTING	\$0
		TRAVEL AND MISC. DIRECT COSTS	\$5,000
		<b>TOTAL DIRECT COSTS</b>	<b>\$5,000</b>
		<b>TOTAL COST</b>	<b>\$136,777.26</b>