



105 West Capitol Avenue  
P.O. Box 270  
Jefferson City, Missouri 65102

Missouri Department of Transportation  
*Patrick K. McKenna, Director*

1.888.ASK MODOT (275.6636)

October 3, 2019

Dear Consultant:

The Missouri Highways and Transportation Commission is requesting the services of a consulting engineering firm to perform the described professional services for the project included on the attached list.

If your firm would like to be considered for these consulting services, you may express your interest by responding to the appropriate office, which is indicated on the attachments. Limit your letter of interest to no more than two pages. This letter should include a statement to indicate your firm's understanding of the project. It should also include any other information which might help us in the selection process, including key personnel you would assign to the project and the backgrounds of those individuals, and any sub-consultants you would propose to use, and an indication of your firm's approach to promoting and developing a diverse workforce. MoDOT is committed to reflecting the diversity of the communities we serve and we expect our partners to do the same. We will utilize the consultant information already on file so we will not need a lengthy submittal of other general company information. In addition, please attach one page with detailed information on similar projects that your key personnel have worked on. Indicate the role your key personnel played in the projects and include reference contact information.

DBE firms must be certified by the Missouri Department of Transportation in order to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultants for any projects they feel can be managed by their firm. We also encourage both DBE firms and non-DBE firms to consider joining MoDOT's Mentor/Protégé program whenever possible as part of a MoDOT project.

MoDOT will evaluate firms based on: Project Understanding & Innovation, Past Performance, Qualifications of Personnel Assigned, General Experience of Firm, Familiarity/Capability, Accessibility of Firm & Staff. Firm's not providing a response on approach to workforce diversity will be considered non-responsive to this solicitation. Firm's that are not current on all of the required prequalification categories found in MoDOT's Approved Consultant Prequalification List at the date of the solicitation expiration will be considered non-responsive.

We request all letters be received by 3:00 pm, November 15, 2019 at the appropriate office.

Sincerely,

Travis Koestner, P.E.  
State Design Engineer

Attachment

## **DISTRICT OFFICES**

SL District  
Thomas Blair – District Engineer  
Missouri Department of Transportation  
1590 Woodlake Drive  
Chesterfield, MO 63017

Contact  
Jamie Rana, PE, PTOE  
314-275-1531  
Jamie.Rana@modot.mo.gov  
Email responses are encouraged

**District SL**

<b>St. Louis &amp; Jefferson Co, Routes A, 30, 231, I-170 &amp; I-270 Interchanges</b>	
<b>Job No:</b>	J6S3445
<b>Location:</b>	Routes A, 30, 231, I-170 & I-270 Interchanges
<b>Proposed Improvement:</b>	<p>Traffic counts and Signal Optimization of <u>MO Route A</u> including the following signalized intersections in Jefferson County:</p> <ol style="list-style-type: none"> <li>1. MO21 Off Ramp</li> <li>2. MO21 On Ramp</li> <li>3. Old Missouri 21</li> <li>4. Route Z</li> <li>5. Pounds Road</li> <li>6. Collins Drive</li> <li>7. Bradley Street</li> <li>8. I-55</li> <li>9. W. Gannon Drive</li> <li>10. Mill Street</li> <li>11. US 67</li> </ol> <p>Traffic counts and Signal Optimization of MO 231 including the following signalized intersections in St. Louis County:</p> <ol style="list-style-type: none"> <li>1. Hoffmeister</li> <li>2. Ripa</li> <li>3. Kingston</li> <li>4. Jeffersonian</li> <li>5. Sappington Barracks</li> <li>6. Barracksview</li> <li>7. I-255 WB Off Ramp</li> <li>8. I-255 EB Off Ramp</li> <li>9. Kinswood</li> <li>10. Forder</li> <li>11. Yaeger</li> <li>12. Schnucks Entrance</li> <li>13. Baumgartner</li> <li>14. Gephardt</li> <li>15. Black Forest</li> <li>16. Oakville Middle/Wohlwend Elementary</li> <li>17. Erb</li> <li>18. Christopher</li> <li>19. Bear Creek/Heintz</li> <li>20. Winding Creekway/Point Elementary</li> </ol>

21. Becker

Traffic counts and Signal Optimization at the following I-170 interchanges in St. Louis County:

1. Airport NB Ramp
2. Airport SB Ramp
3. Delmar/McKnight NB Ramp
4. Delmar SB Ramp
5. Delmar NB Ramp
6. Ladue SB Ramp
7. Ladue NB Ramp

Traffic counts and Signal Optimization at the following I-270 interchanges in St. Louis County:

1. McDonnell SB Ramp
2. McDonnell NB Ramp
3. MO Bottom NB Ramp
4. MO Bottom SB Ramp
5. Dorsett DDI
6. Dorsett at Progress Parkway
7. Route AB at Coeur deVille
8. Route AB at NB Ramp
9. Route AB at SB Ramp
10. Route AB at Emerson
11. WOR-Clayton Rd
12. WOR Rte 100 WB Ramp
13. WOR-Daylight Dr
14. WOR-Movie Dr
15. WOR-Rte 100 EB Ramp
16. Dougherty Ferry Rd

Traffic counts and Signal Optimization at the following Route 30 signals in St. Louis & Jefferson Counties:

1. I-270 NB Ramp
2. I-270 SB Ramp
3. Kennerly-Weber Hill
4. Rahning-Mauer Industrial
5. Summit-Gravois Bluff
6. Northwest
7. Delores
8. Valley Dell
9. Sugar Creek
10. Little Brennan
11. Dillon

	12. Caroline 13. High Ridge 14. Route PP-Rock Creek 15. Gravois-Clearview 16. Route W/Route MM 17. Route MM/Hillsboro-House Springs 18. Local Hillsboro 19. Route BB 20. Route B-NN
<b>Length:</b>	Approx. 38.7 miles
<b>Approximate Construction Cost:</b>	NA
<b>DBE Goal (if applicable)</b>	12%
<b>Consultant Services Required:</b>	<ul style="list-style-type: none"> <li>• Thorough field investigation, survey, review and observation of existing corridor conditions</li> <li>• Weekday &amp; weekend traffic count collection for mainline and signalized intersections</li> <li>• Signal timing plan development as needed</li> <li>• Building of Synchro, TruTraffic models for signal systems</li> <li>• Pre-project travel time data</li> <li>• Review of locations with excessive delays</li> <li>• Development of diversion plans</li> <li>• Utilization of newer features of ATC controllers per corridor need</li> <li>• Utilization of TCS time space diagrams, split monitoring tool and other features as needed</li> <li>• Clearance interval and pedestrian timing calculations</li> <li>• Left turn Time Of Day analysis (FYA) and implementation</li> <li>• Field implementation of signal timing plans</li> <li>• Post-project travel time data analysis</li> <li>• Respond to customer service calls/complaints and implement adjustments as necessary</li> <li>• Completion of field observation sheets</li> <li>• Final report that includes: arterial analysis (travel time, delays, average speeds, number of stops, arterial LOS, etc) and intersection</li> </ul>

	<p>analysis (movement delays, queuing, LOS, etc). Note significant corridor problem movements/locations. This report will also identify improvements to the corridor in terms of annual reductions in fuel consumption costs and vehicle pollutant emissions.</p> <ul style="list-style-type: none"> <li>• Short derivation of values obtained must be included, such as formulas used and where obtained.</li> <li>• Results will be made available to the public.</li> </ul>
<b>Other Comments:</b>	<p>Interviews/presentation will not be required.</p> <p>Tentative Date of Consultant Selection-November 30, 2019</p>

**Rating Criteria w/Weighted Values**

Project Understanding & Innovation	25 Points Max
Past Performance	25 Points Max
Qualifications of Personnel Assigned	20 Points Max
General Experience of Firm	10 Points Max
Familiarity/Capability	10 Points Max
Accessibility of Firm & Staff	<u>10 Points Max</u>
	100 Points Max Total