



## STATEMENT OF QUALIFICATIONS

Construction Management Inspection Services  
for CDBG Parish Sewer Program Improvements  
(Hillaryville, Darrow and Astroland)

**CDBG 03 PARA 2301**

**Parish Project Number: SEWR 11002**



*Submitted To:*



Ascension Parish Government  
Purchasing Department  
615 East Worthy Street  
Gonzales, LA 70737

*Submitted By:*

***ECM Consultants, Inc.***

4409 Utica Street, Suite 200, Metairie, Louisiana 70006

Telephone: 504-885-4080 • Fax: 504-885-1439

ECM Contact: *Kazem Alikhani, P.E., CEO*

Email: *Kazem@ecmconsultants.com*

**JUNE 27, 2019**

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# ***ECM Consultants, Inc.***

***Engineers • Architects • Construction Managers***

4409 Utica Street, Suite 200  
Metairie, LA 70006  
Phone (504) 885-4080  
Fax: (504) 885-1439

[mail@ecmconsultants.com](mailto:mail@ecmconsultants.com)  
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8048 One Calais Avenue, Suite F  
Baton Rouge, La. 70809  
Phone (225) 615-7885  
Fax: (225) 615-8548

June 26, 2019

Ascension Parish Government  
Purchasing Department  
615 East Worthy Street  
Gonzales, LA 70737

Re: CDBG Parish Sewer Program Improvements (Hillaryville, Darrow and Astroland)  
CDBG Project Np. 03 PARA 2301  
Parish Project Number. SEWR 11002

Dear Ascension Parish Government,

ECM Consultants, Inc., an engineering and construction management firm, is pleased to submit one original and five copies of our APG 1001 form in response to your Request for Qualifications for the referenced project.

Our firm is aware of the specific needs of Ascension Parish regarding linking new and old systems together to improve the sewer system as a whole. Our inspection staff has been working on the Sanitary Sewer Overflow (SSO) Program for the City of Baton Rouge since 2012 and the goals of the SSO Program are similar to that of this contract – to rehabilitate the collection system and increase the hydraulic capacity of the collection systems.

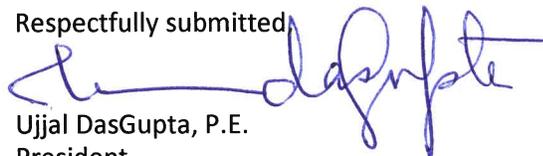
ECM has over two decades of experience in construction inspection services of municipal construction that includes but is not limited to pipeline, civil, structural, electrical, mechanical, sewer waste water, roadway construction and pavement restoration in the State of Louisiana.

ECMs' construction inspectors have extensive experience providing construction inspection services for a variety of public works improvement and rehabilitation projects that include old and new systems for sewer collection, gravity and force mains, lift stations, pump stations with SCADA Systems, wastewater treatment systems; water distribution, production and treatment systems; storm sewer and drainage systems; as well as roadway restoration following completion of sewer projects.

ECM has 27 inspectors on staff, 20 of which have between seven to fifty years of experience, who will be dedicated to the needs of this contract.

We appreciate the opportunity to submit this statement of qualifications and we are committed to providing exceptional professional services and continuing our excellent working relationship with Ascension Parish Government. Should you have any questions or require any additional information, please contact us.

Respectfully submitted,



Ujjal DasGupta, P.E.  
President

***APG-1001***

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***ECM Consultants, Inc.***

# STANDARD FORM: APG-1001

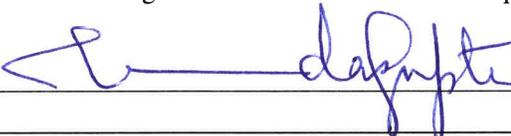
(10/2008)

## Professional Engineering and Related Services

1. Project title <b>CDBG Parish Sewer Program Improvements (Hillaryville, Darrow and Astroland)</b>	2. Project number <b>CDBG Project No. 03 PARA 2301 Parish Project Number: SEWR 11002</b>
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3a. Firm (as registered with the Louisiana Secretary of State) and mailing address of the office to perform work  <b>ECM Consultants, Inc.</b> 8048 One Calais Avenue, Suite F Baton Rouge, LA 70809	3b. Name, title, telephone number, and e-mail address of the official with <b>signing authority</b> for this contract <b>Ujjal DasGupta, P.E., President</b> 504-885-4080 <a href="mailto:ujjal@ecmconsultants.com">ujjal@ecmconsultants.com</a>
	3c. Name, Title, telephone number, e-mail address and registration number of full-time LA licensed engineer in responsible charge of the project (not required for non-engineering projects) <b>Kazem Alikhani, P.E., CEO</b> 504-885-4080 LA P.E. 25073 <a href="mailto:kazem@ecmconsultants.com">kazem@ecmconsultants.com</a>

3d. I certify that the following information is accurate and complete to the best of my knowledge (must be same person as 3b):

Signature:  Date: 6/26/2019

4. Full-time personnel on firm's payroll who are located at the primary work location identified in 3a above:

a. Civil Engineers, with current Louisiana P.E. registration	<u>2</u>
b. Environmental Engineers, with current Louisiana P.E. registration (not included in 4a)	<u>0</u>
c. Land Surveyors, with current Louisiana P.L.S. registration	<u>0</u>
d. Engineers In Training, with current Louisiana E.I. registration	<u>0</u>
e. Designers/Draftsmen	<u>0</u>
f. Survey Party Chiefs	<u>0</u>
g. Real Estate Professionals (Agents and Certified Appraisers)	<u>0</u>
h. Other personnel not included in above categories ( <b>Inspectors</b> )	<u>22</u>
Total personnel at primary work location (sum of a – h)	<u>24</u>

5. Full-time personnel on firm's payroll, not located at the primary work locations, <b>to be used on this project:</b>	
a. Civil Engineers	<u>0</u>
b. Environmental Engineers (not included in 5a)	<u>1</u>
c. Land Surveyors, with current Louisiana P.L.S. registration	<u>0</u>
d. Engineers In Training, with current Louisiana E.I. registration	<u>0</u>
e. Designers/Draftsmen	<u>0</u>
f. Survey Party Chiefs	<u>0</u>
g. Real Estate Professionals (Agents and Certified Appraisers)	<u>0</u>
h. Other personnel not included in above categories ( <b>inspectors</b> )	<u>6</u>
Total personnel not located at the primary work location (sum of a – h)	<u>7</u>

6. Do you presently have sufficient staff to perform these services in the designated time frame? (Yes/No)  
**YES**

7. Identify the element of work (as defined in the advertisement), and the % of the element to be performed by the firm. Also, identify % of work for the overall project to be performed by the firm (must be at least 50%).

Element of Work	Firm	Percentage	Overall Project Percentage
Construction Management Inspection	ECM Consultants, Inc. (PRIME)	100%	100%

8. Do you intend to use a sub-consultant(s)?  yes  no

(For use by the Prime Consultant only)

All subconsultants/associates listed for this project must attach a signed Form APG-1001

Name and address	Identify the element of work (as defined in the advertisement), and the % of the element to be performed by the sub-consultant. Also, identify the % of work for the overall project to be performed by the sub-consultant.	Worked with prime before? (Yes/No)
N/A		

9. Staffing Plan – A Diagram showing all personnel specifically assigned to each work element of the project, their duties, and immediate supervisors. The Staffing Plan should also include the same information for Sub-consultants (if applicable).



## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Ujjal DasGupta, P.E., President</b> <i>Metairie, LA</i>	Position or Assignment for this project <b>Principal in Charge</b>
b. Name of firm by which employed full time <b>ECM Consultants, Inc.</b>	c. Years experience:  With this firm: <u>24</u> With other firms: <u>28</u>
d. Education: Degree(s) / Years / Specialization  B.S./1968/Civil Engineering	e. Active registration: Year registered: <u>1982</u> Branch: <u>Civil</u> State: <u>LA</u> License No.: <u>19849</u>
f. Project Roles/Responsibilities (Brief Description) <b>Mr. DasGupta has over 48 years of experience in project management, program management, construction management, and construction quality assurance services.</b> He has been involved in design and construction engineering for a number of sewer improvement projects involving lift stations, gravity line force mains, and sewerage or wastewater treatment plants.	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Rehabilitation of 42nd &amp; Erlanger Sewer Lift Station and 15th &amp; Webster St. Lift Station, City of Kenner Dept. of Public Works, Kenner, LA:</b> Mr. DasGupta served as Principal-in-Charge for this sewer rehabilitation project that included design for removal and replacement of existing pumps and motors with all accessories, piping, and control panels to increase capacity at 42nd/Erlanger lift station from 375 gpm to 625 gpm and at 15th &amp; Webster lift station from 800 gpm to 1,200 gpm. Both lift stations also included rehabilitation of existing wet wells.</p> <p><b>SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA:</b> Mr. DasGupta is serving as Principal in Charge for projects under the SSO Program. The scope of work for these ongoing projects consists of inspection for construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.</p> <p><b>Sewer Lift Stations and Force Main, City of Kenner Dept of Public Works, Kenner, LA:</b> Mr. DasGupta served as Principal-in-Charge for this sewer system upgrade project involving studying and analyzing several major sewerage lift stations, and design, preparation of construction documents and construction inspection for rehabilitation and upgrades of lift station No. 4309 involving new pumps, piping, and control for increased capacity of 4800 gpm, rehabilitation of the wet well, and a new 20" sewer force main.</p> </div> <div style="width: 48%;"> <p><b>Rehabilitation of Sewerage Lift Stations of New Orleans Lakefront Airport, Orleans Levee District, New Orleans, LA:</b> Mr. DasGupta served as Overall Project Manager for this contract. After Hurricane Katrina, ECM was awarded a contract to rehabilitate all existing lift stations which were severely damaged by flooding during the storm. Project scope included rehabilitation of 5 lift stations including replacement of pumps, electrical systems, lift station buildings as well as design of a new lift station with small packaged treatment plant to discharge effluent to Intracoastal Navigational channel.</p> <p><b>Capacity Upgrade for Plum Orchard Sewer Pump Station at Plum Orchard Avenue, Sewerage and Water Board of New Orleans, Orleans Parish, LA:</b> Mr. DasGupta served as Project Manager for engineering design and preparation of plans and specifications and cost estimates (PS&amp;E) for design of a new 500 gpm, aboveground duplex packaged lift station. Scope of work included design for an 8' diameter, 20' deep concrete wet well; pile foundations; concrete bottom slab and top slab; determination of pump size for increased flow; control system; temporary by-pass sewer system; modification of a section of 8" gravity sewer line for influent to lift station; manifold piping and over 100' of new 6" PVC force main from new lift station including check valve and gate valve with manholes; and tie in to the 6" existing force main by-passing existing lift station.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Kazem Alikhani, P.E., Chief Executive Officer</b> <i>Metairie, LA</i>	Position or Assignment for this project <b>Project Coordinator/POC</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>2.5</u> With other firms: <u>35</u>
d. Education: Degree(s) / Years / Specialization B.S./1980/Mechanical Engineering M.S./1984/Engineering Concentration in Civil, Hydraulic & Hydrology	e. Active registration: Year registered: <u>1992</u> Branch: <u>Mechanical/Environmental</u> State: <u>LA</u> License No.: <u>25073</u>
f. Project Roles/Responsibilities (Brief Description) <b>Mr. Alikhani has over 37 years of experience in public works projects including planning, design and construction management.</b> He spent most of his career working with the Jefferson Parish Department of Public Works. Most recently, Mr. Alikhani was the Director of Public Works, responsible for all public works functions and overseeing an annual operating budget of \$200 million and a capital budget of over \$100 million. His public works oversight consisted of managing several departments that included drainage (canals, subsurface, pump stations), sewerage(100s of miles, over 500 lift stations, 6 wastewater treatment plants), water, streets (over 3,200 lane miles), parkways, environmental, Floodplain Management and Hazard Mitigation, engineering.	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA:</b> Mr. Alikhani is serving as Contract Manager for projects under the SSO Program. The scope of work for these ongoing projects consists of inspection for construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.</p> <p><b>Wastewater/Sewerage Improvement Projects:</b> Under the Sewer Capital Improvement Program, Mr. Alikhani identified, planned and oversaw 66 projects totaling approximately \$80 million for improvements to sewer systems. Mr. Alikhani helped secure more than \$40 million in low interest loans through LADEQ programs, several hundred thousand dollars' worth of affiliated grants, and more than \$7 million in federal funding. He planned and supervised engineering and construction for projects that included rehabilitation and replacement of numerous sewerage lift stations, pump station, rehabilitation of gravity and force mains, and rehabilitation of primary clarifiers, odor control, belt presses, and trickling filters.</p> <p><b>Various Sewerage Projects, Jefferson Parish, LA (2015):</b> As Director of Public Works, Mr.</p> </div> <div style="width: 45%;"> <p>Alikhani oversaw all Jefferson Parish sewerage improvement projects including collection system design and upgrades, point repair and lining, rehabilitation and construction for lift stations, pump stations, gravity and force mains and waste water treatment plant upgrades. A few projects included: Improvements to Effluent Pump Station at East Bank WWTP, rehabilitation of Marrero Primary Clarifier, Odor control system, new Rosethorne WWTP, rehabilitation of Causeway &amp; W. Esplanade Lift Stations, gravity lines and force mains.</p> <p><b>Potable Water Improvement Projects:</b> As Assistant Director of the Department of Water for Jefferson Parish, Mr Alikhani's prime responsibility was operations and maintenance of Water Infrastructure that included water distribution system and water treatment plants. During his tenure in the Water Department, he planned, budgeted and managed the expansion of the west bank water treatment plan. The project involved increasing the water treatment capacity by 25 MGD, that also included chemical feed and electrical system upgrade, replacement of filter media with multi media, air scour and SCADA system. Additionally, under his supervision, numerous new water lines were planned, designed and constructed to replace the old water lines with extensive repair history or install new water lines to eliminate dead end lines or loop the water lines to improve water quality.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Chad Vosburg, P.E., Vice President of Construction</b> <i>Baton Rouge, LA</i>	Position or Assignment for this <b>Project Manager</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>&lt;1</u> With other firms: <u>25</u>
d. Education: Degree(s) / Years / Specialization  B.S./1993/Civil Engineering	e. Active registration: Year registered: <u>1998</u> Branch: <u>Civil Engineering</u> State: <u>LA</u> License No.: <u>27677</u>
f. Project Roles/Responsibilities (Brief Description) <b>Mr. Vosburg has over 25 years of professional engineering experience in construction and contract administration including a 25-year career with LADOTD.</b> His projects have included highway and bridge construction, pump station design and rehabilitation, debris removal operations and emergency reconstruction. As District 61 Administrator for LADOTD he provided leadership and directed all Baton Rouge operations including construction, maintenance, engineering, public works, traffic services, business, ports, pumping stations and other DOTD facilities throughout the nine parishes under District 61 Area centered in Baton Rouge, LA. He was responsible for staffing Construction projects, maintenance, operation of moveable bridges, and miscellaneous incidents 24/7 for the entire nine parish area.	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Bluebonnet Boulevard Pump Repairs, La. 1248, LADOTD, Baton Rouge, LA (prof. svcs. Ended 2014, construction 2017):</b> Mr. Vosburg performed an initial inspection after maintenance issues with pumps and check valves were encountered during operation of the system. Other work included the coordination of the design scope along with broad supervision over the Construction Contract Administration. The work included the replacement/rehabilitation of pumps and check valves.</p> <p><b>15th Street Pump Station Rehabilitation, I-110 LADOTD, Baton Rouge, LA (prof. svcs. Ended 2013, construction 2017) S.P. No:</b> Mr. Vosburg's work included project scoping and design coordination along with broad supervision over the construction contract administration for project that included the replacement of controls, pumps and electrical. In addition, the entire facility was upgraded to meet current safety standards including accessibility and ventilation to meet confined space requirements.</p> </div> <div style="width: 45%;"> <p><b>US 190 Pipe Repair @ Old Bridge Pump Station-CNN/RR, Route US 190/61 LADOTD, Baton Rouge, LA (prof. svcs. Ended 2018, construction 2019):</b> Mr. Vosburg's work included Project Development and Broad Construction Project Management. The project involved re-piping from pumping station to discharge point, jack and bore, slope stabilization, installation of valves, etc. to repair a leaking discharge pipe and improve the overall reliability of the station,</p> <p><b>Boyd St. &amp; 21st St. Pumping Station Improvements, I-110, LADOTD, Baton Rouge, LA (2016) S.P. No. H.010439.6:</b> Mr. Vosburg was responsible for coordination with design consultants and DOTD staff to budget and scope a project to improve the reliability of 2 major pumping stations along I-110 in E. Baton Rouge Parish, including determination of components of the station to be replaced to achieve improved reliability, conform with safety standards, along with instrumentation to notify maintenance staff of issues. Mr. Vosburg used his maintenance experience to determine which items needed to be addressed to make operation of the facility more efficient.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>David Waller, Senior Construction Inspector</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Lead Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>7</u> With other firms: <u>20</u>
d. Education: Degree(s) / Years / Specialization High School	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____

f. Project Roles/Responsibilities (Brief Description)  
 Mr. Waller will serve as Lead Inspector for projects under this contract. **He has over 5 years of experience leading an inspection team for the City of Baton Rouge’s Sanitary Sewer Overflow (SSO) Program** and he has the following certifications: LADOTD Certified Asphaltic Paving, Structural Concrete, Embankment and Base Course, and PCC Paving Inspector; Work Zone Traffic Control Flagger/Technician/Supervisor. **REFERENCES:** LADOTD, Todd Donmeyer, 225-925-7921; Hydroflame Technologies, LLC, 225-578-9973, City of BR/EBR, Nathan Cobb, (225) 389-4858

g. Specific experience and qualifications relevant to the proposed project:

<p><b>SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW; Baton Rouge, LA:</b> Mr. Waller is currently serving as Lead Inspector for projects under the SSO Program. The scope of work for these projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities. He is also responsible for supervision of overlays and road repair involved in many of these projects.</p>	<p>construction inspector and safety person on site, prepared work reports, estimated quantities, ensured smooth and efficient operations of construction activities.</p>
<p><b>S.P. No. 817-41-0008: O’Neal Lane, LADOTD Baton Rouge, LA:</b> Mr. Waller provided construction inspection services for this project that involved construction of three miles of new PCC roadway pavement. The project included relocation of sewer and new tie-ins, drainage, and utilities relocation. He served as the primary construction inspector and safety person on site, prepared daily reports, estimated quantities, received monthly pay estimates, etc.</p>	<p><b>West Lee and Burbank Baton Rouge, LA:</b> Mr. Waller provided construction inspection services for this project that involved the construction of turn lanes at the intersection of West Lee and Burbank. The project included Portland concrete cement paving, drainage, sewer, and utility relocations. He served as the primary construction inspector and safety person on site, prepared work reports, estimated quantities, ensured smooth and efficient operations of the project.</p>
<p><b>S.P. No. 817-08-0023: Joor Road, Baton Rouge, LA:</b> Mr. Waller provided construction inspection services for this project that involved the widening of Joor Road from two lanes to five lanes. The project included asphalt concrete paving, Portland Cement Concrete (PCC) paving, drainage, sewer, and utility relocations. He served as the primary</p>	<p><b>Wax Road, Baton Rouge, LA:</b> Mr. Waller provided construction inspection services for this project that involved the widening of Wax Road and the addition of turn lanes. The project included asphalt concrete paving, drainage, sewer, and utility relocations. He served as the primary inspector and safety person on site, prepared work reports, estimated quantities, monthly pay estimates, ensured smooth and efficient operations of the project and conformed to plans and specifications.</p>

## 10. Brief resume of key persons anticipated to work on this project

<p>a. Name, Title &amp; Domicile  <b>Chad Normand, Construction Inspector</b>  <i>Baton Rouge, LA</i></p>	<p>Position or Assignment for this project  <b>Senior Inspector</b></p>		
<p>b. Name of firm by which employed full time  <b><i>ECM Consultants, Inc.</i></b></p>	<p>c. Years experience:          With this firm: <u>  6  </u> With other firms: <u>  16  </u></p>		
<p>d. Education: Degree(s) / Years / Specialization          High School</p>	<p>e. Active registration:          Year registered: _____          Branch: _____ State: _____          License No.: _____</p>		
<p>f. Project Roles/Responsibilities (Brief Description)          Mr. Normand will serve as a Construction Inspector for projects under this contract. Mr. Normand is an experienced master electrician and construction inspection supervisor. <b>He has 22 years of experience in electrical system installations/modifications and repairs, etc. for pump stations, wastewater treatment plants, commercial and industrial site facilities.</b> He has the following certifications: State Master Electrician License; OSHA 10; Confined Space Entry; Equipment Operation and Safety Training. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, (225) 389-4858; Brandenburg Electric Inc, 301-662-0144, QIS, Inc., 805-983-8200</p>			
<p>g. Specific experience and qualifications relevant to the proposed project:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Sanitary Sewer Overflow (SSO) Program, City of Baton Rouge/Parish of East Baton Rouge DPW, Baton Rouge, LA:</b> Mr. Normand is currently providing inspection services for projects under the SSO Program, \$800 million in construction. The scope of work for these projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities. His specialty is electrical inspection of pump stations, standby generators, and SCADA projects.</p> <p><b><u>Representative projects include:</u></b>  <b>SCADA Project, Baton Rouge, LA</b>                  Mr. Normand is serving as a senior inspector for this project that involves the design and installation of a central SCADA system to monitor and control the wastewater infrastructure. The SCADA system includes interfacing between over 450 pump stations, SWWTP control room, Choctaw Maintenance Facility Control Room, Advanced Traffic Management-Emergency Operations Center (ATM-EOC), and Central Control Room. The SCADA system consists of process SCADA servers, business servers, network supporting services servers, network attached storage devices, client workstations, software, network equipment, and network</p> </td> <td style="width: 50%; vertical-align: top;"> <p>infrastructure.</p> <p><b>Annual Parishwide Physical Inspections, Baton Rouge, LA:</b> Mr. Normand supervised CCTV inspections for sewer line cleanings. He also watches for damages to sewer lines, smoke testing, and manhole locating.</p> <p><b>Standby Generators, Baton Rouge, LA:</b> Mr. Normand is serving as a senior inspector for this project which includes the design and installation of standby generators at over 400 pump stations across the City/Parish. The design includes the installation of automatic transfer switches that monitor the incoming electrical voltage at each pump station and notifies the standby generator to start up when voltage is lost due to power outage. The purpose is to keep the pump station operational during any event that causes an electrical outage.</p> <p><b>Pump Station 42 Improvements, Baton Rouge, LA:</b> Mr. Normand served as a senior inspector for this project that includes the design and construction of a 40,000 gpm pump station facility, vapor phase biotower-type odor control and associated yard piping, and valves to pump the flow from PS1, PS59, and the LSU pump station to the SWWTP.</p> </td> </tr> </table>		<p><b>Sanitary Sewer Overflow (SSO) Program, City of Baton Rouge/Parish of East Baton Rouge DPW, Baton Rouge, LA:</b> Mr. Normand is currently providing inspection services for projects under the SSO Program, \$800 million in construction. 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The purpose is to keep the pump station operational during any event that causes an electrical outage.</p> <p><b>Pump Station 42 Improvements, Baton Rouge, LA:</b> Mr. Normand served as a senior inspector for this project that includes the design and construction of a 40,000 gpm pump station facility, vapor phase biotower-type odor control and associated yard piping, and valves to pump the flow from PS1, PS59, and the LSU pump station to the SWWTP.</p>
<p><b>Sanitary Sewer Overflow (SSO) Program, City of Baton Rouge/Parish of East Baton Rouge DPW, Baton Rouge, LA:</b> Mr. Normand is currently providing inspection services for projects under the SSO Program, \$800 million in construction. The scope of work for these projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities. His specialty is electrical inspection of pump stations, standby generators, and SCADA projects.</p> <p><b><u>Representative projects include:</u></b>  <b>SCADA Project, Baton Rouge, LA</b>                  Mr. Normand is serving as a senior inspector for this project that involves the design and installation of a central SCADA system to monitor and control the wastewater infrastructure. The SCADA system includes interfacing between over 450 pump stations, SWWTP control room, Choctaw Maintenance Facility Control Room, Advanced Traffic Management-Emergency Operations Center (ATM-EOC), and Central Control Room. The SCADA system consists of process SCADA servers, business servers, network supporting services servers, network attached storage devices, client workstations, software, network equipment, and network</p>	<p>infrastructure.</p> <p><b>Annual Parishwide Physical Inspections, Baton Rouge, LA:</b> Mr. Normand supervised CCTV inspections for sewer line cleanings. He also watches for damages to sewer lines, smoke testing, and manhole locating.</p> <p><b>Standby Generators, Baton Rouge, LA:</b> Mr. Normand is serving as a senior inspector for this project which includes the design and installation of standby generators at over 400 pump stations across the City/Parish. The design includes the installation of automatic transfer switches that monitor the incoming electrical voltage at each pump station and notifies the standby generator to start up when voltage is lost due to power outage. The purpose is to keep the pump station operational during any event that causes an electrical outage.</p> <p><b>Pump Station 42 Improvements, Baton Rouge, LA:</b> Mr. Normand served as a senior inspector for this project that includes the design and construction of a 40,000 gpm pump station facility, vapor phase biotower-type odor control and associated yard piping, and valves to pump the flow from PS1, PS59, and the LSU pump station to the SWWTP.</p>		

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Chris Bostic, Construction Inspector</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Senior Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>  7  </u> With other firms: <u>  13  </u>
d. Education: Degree(s) / Years / Specialization High School	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____
f. Project Roles/Responsibilities (Brief Description) Mr. Bostic will serve as a Construction Inspector for projects under this contract. <b>Mr. Bostic has 13 years of professional experience in electrical, controls and instrumentation.</b> He monitors construction work for strict compliance with plans and specifications, OSHA regulations, safety standards, and procedures. He has the following certifications NCCER Commercial Electrical Service, Instrument Technician V3, Residential Electrical Services & Industrial Electrician V5 certificates; Confined Space Entry, OSHA-10. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; Pike Electric, 985-542-9124; Institutorm Technologies, 985-345-4474	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Sanitary Sewer Overflow (SSO) Program, City of Baton Rouge/East Baton Rouge Parish Dept. of Public Works, LA:</b> Mr. Bostic serves as a Construction Inspector enforcing the Project's Specifications, Blueprints, OSHA Regulations, Safety Standards, and Procedures. He is also responsible for tracking quantities of stored materials, equipment, contractor's personnel, and inventories. He inspects the installation of equipment racks and conduit, the installing and wiring of generators, automatic transfer switches, distribution panels, and transformers, saw cutting and removal of concrete, concrete pads for generators, and supplemental concrete poured. Mr. Bostic works with the Construction Manager creating, organizing, and maintaining documents and spreadsheets containing information pertaining to the Standby Generator Project.</p> <p><b><u>Representative projects include:</u></b></p> <p><b>1. Standby Generators:</b> Mr. Bostic served as a specialty inspector for this project that involved design and installation of standby generators at over 400 pump stations across the Parish. Design included installation of automatic transfer switches to monitor incoming electrical voltage at each pump station and notify the standby generator to start up when voltage is lost due to power outage. The purpose is to keep the pump station operational during any event that causes an electrical outage.</p> </div> <div style="width: 48%;"> <p><b>2. Brookstown/Evangeline Phase II Rehab Project:</b> Mr. Bostic provided field inspection services for rehabilitation of existing gravity sewer lines by open excavation and cured-in-place pipe lining (CIPP), manhole repair and replacement, cleaning, and televising of gravity sewer lines and manholes.</p> <p><b>3. Choctaw Storage &amp; Pump Station Facilities Project:</b> Mr. Bostic provided field inspection services for this project involving design and construction of a 26-MG facility, an overflow pump station, gravity trunk line overflow pump station, and forcemains.</p> <p><b>4. Silverlead Road – Ford Street Area Rehabilitation Project &amp; Acadian Thruway – Perkins Road Area Rehabilitation Project:</b> Mr. Bostic provided field inspection services for rehabilitation of the sewer collection system. This project was a comprehensive physical process that begins with cleaning and inspection of sewer pipes and manholes. Typical rehabilitation repairs included pipe and manhole replacement and trenchless technologies that minimize above ground disturbances, such as cured-in-place pipe liners.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Kim Martinez, Senior Construction Inspector</b> <i>Metairie, LA</i>	Position or Assignment for this project <b>Senior Inspector</b>
b. Name of firm by which employed full time <b>ECM Consultants, Inc.</b>	c. Years experience:  With this firm: <u>9</u> With other firms: <u>30</u>
d. Education: Degree(s) / Years / Specialization High School Diploma	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____

### f. Project Roles/Responsibilities (Brief Description)

Ms. Martinez will serve as a construction inspector for projects under this contract. **Ms. Martinez has 39 years of inspection experience**, including 30 years with the LADOTD as a Construction Inspector and Laboratory Technician. She has the following certifications: LADOTD Certified Asphalt Concrete Paving; Embankment & Base Course; Portland Cement Concrete; Work Zone Traffic Control Flagger/Technician/Supervisor. **REFERENCES:** City of BR/EBR, Nathan Cobb, 225-389-4858; CONO, Alan Weber, 504-658-8209; Sewerage & Water Board of New Orleans, 504-529-2837

### g. Specific experience and qualifications relevant to the proposed project:

**Sanitary Sewer Overflow Program, City of Baton Rouge/East Baton Rouge Parish-DPW; Baton Rouge, LA:** Ms. Martinez provided specialty inspection services for roadway restoration projects under the SSO Program. The scope of work for these projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.

**SWB Water Line Replacement Program Read Blvd. East Group I, Sewerage and Water Board of New Orleans:** Ms. Martinez served as the construction inspector for this project that involved the excavation and installation of 430-foot of water line along King Richards Dr and 620-feet of water line along Chrysler St. This included the excavating the existing roadway, replacement of water line and tie-ins, preparation of abandoning the existing lines, and backfilling of soil.

**Gravier Street from S. Galvez to S. Broad Street, City of New Orleans, DPW, New Orleans, LA:** Ms. Martinez is the lead resident inspector for this project which is presently under construction. Scope of work includes roadway, and sidewalk removal, excavation, installation of major subsurface drainage system and structures, new PCC pavement, concrete sidewalks with A/C ramps, driveways, etc. Project also included 42" RCP for drainage, 20" water line and 8"-15" sewer main.

**Westside Boulevard Road Extension (Marie Drive to St. Louis Canal); Terrebonne Parish, LA:** Ms. Martinez provided inspection services for this project that involved construction of new PCC pavement roadway for the extension of the existing Westside Boulevard from Marie Drive to St. Louis Canal. The scope of work included new drainage system, utilities, unclassified excavation, grading, lime treatment, class II base course, PCC Pavement, Superpave asphaltic concrete shoulders, and associated items.

**F. Edward Hebert Boulevard Improvements, LADOTD; Belle Chasse, LA:** Ms. Martinez provided inspection services for this project involving new PCC roadway, asphalt overlay, excavation, embankment, grading, class II base course, drainage, and utilities.

**LA 1091 at Brownswitch Intersection Improvements, Route LA 1091, LADOTD; St. Tammany Parish, LA :** Ms. Martinez served as Construction Inspector for this project which involves construction of a roundabout at the intersection of LA 1091 and Brownswitch Road. Work involves grading, subsurface drainage, base course, asphaltic concrete, pavement markings, permanent signing, and related work.

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Glenn Eggert, Construction Inspector</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>  6  </u> With other firms: <u>  11  </u>
d. Education: Degree(s) / Years / Specialization High School Diploma	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____
f. Project Roles/Responsibilities (Brief Description) Mr. Eggert will serve as a construction inspector for projects under this contract. <b>Mr. Eggert has 23 years of experience as a quality assurance construction inspector</b> for pumping stations, force mains, lift stations, bridges, roadways, and utilities, including nine years in rehabilitation of sewer projects. He is extremely proficient in interpretation of engineering plans and specifications. He has the following certifications: LADOTD Certified: Structural Concrete Inspector; PCC Paving Inspector and Asphalt Paving Inspector, Work Zone Traffic Control Flagger, Technician, Supervisor. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; Linfield, Hunter & Junius, 504-833-5300; Meyer Engineers, 504-885-9892	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Roadway Restoration, SSO Program, City of Baton Rouge/Parish of East Baton Rouge:</b> Mr. Eggert provided road restoration inspection and quality assurance oversight for all road restoration activities involved in the program. The Program has approximately 80 individual construction pipeline projects requiring roadway work within City/Parish and LA DOTD ROWs. The road restoration work includes base course, road surfacing (asphalt overlay, and/or PCC pavement), curbs and gutters, drainage structures, sidewalks, striping and markings, signage.</p> <p><b>Sewer Rehabilitation Projects, New Orleans, LA:</b> Mr. Eggert worked on several point repair projects for the Sewerage and Water Board of New Orleans. These projects included Gentilly, French Quarter, Lakefront, and the New Orleans East sewer rehabilitation projects. Work included demolition of existing roadway, excavation, repair of sewer lines, backfilling of the excavations, and the placing of new concrete or asphalt roadway. He also conducted compaction tests on the backfill material, concrete testing, and asphalt inspection.</p> <p><b>Highland Road – Burbank Drive Sewer Area Baton Rouge, LA:</b> Mr. Eggert served field inspector for this project that includes the upsizing of force mains in an area that extends north to the intersection of Jefferson Highway and Tiger Bend Road and</p> </div> <div style="width: 48%;"> <p>continues south to the Staring Lane extension and Burbank Drive intersection. The scope of work included roadway restoration after installation of force mains including sand sub base, aggregate base course and PCC and/or asphalt pavement.</p> <p><b>Metro Airport Sewer area Forcemain Upgrades-Group Project 1B:</b> Mr. Eggert served as a field inspector for the replacement of seven pump stations, installation of one new pump station, and upgrading 35,330 lf, 8”-30” in diameter. This project will work in conjunction with the Group Project 1A to alleviate sewer overflow problems.</p> <p><b>Pump Station 42 SSO Program Baton Rouge, LA:</b> Mr. Eggert served as QA inspector for the construction of Pump Station 42 in Baton Rouge Louisiana. He was on this project from the initial clearing and grubbing of the jobsite through the construction of the Pump Station to the final startup of the Pump Station and putting it online. Observed all of the construction, the quality control and quality assurance by testing labs, leak testing on wet well structure, testing done on piping and on electrical and mechanical testing done for the start-up of the Pump Station.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

<p>a. Name, Title &amp; Domicile  <b>Anatole Hammer, Construction Inspector</b>  <i>Baton Rouge, LA</i></p>	<p>Position or Assignment for this project  <b>Construction Inspector</b></p>
<p>b. Name of firm by which employed full time  <b><i>ECM Consultants, Inc.</i></b></p>	<p>c. Years experience:          With this firm: <u>  3  </u> With other firms: <u>  20  </u></p>
<p>d. Education: Degree(s) / Years / Specialization          High School Diploma</p>	<p>e. Active registration:          Year registered: _____          Branch: _____ State: _____          License No.: _____</p>
<p>f. Project Roles/Responsibilities (Brief Description)          Mr. Hammer will serve as a construction inspector for projects under this contract. <b>Mr. Hammer has 23 years of experience in construction inspection. He</b> has the following certifications: ATSSA Traffic Control Flagger, Traffic Control Technician, Traffic Control Supervisor and OSHA 10. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; LADOTD, Michael Donmyer, 225-231-4103; M. Martin Consulting Co., 337-356-8794</p>	
<p>g. Specific experience and qualifications relevant to the proposed project:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>DPW Project No. 15-CN-MS-0008: SSO Program, City of Baton Rouge/East Baton Rouge Parish DPW, Baton Rouge, LA:</b> Mr. Hammer provided construction inspection for projects under the \$900 million Sanitary Sewer Overflow Program undertaken by City to mitigate EPA consent decree. The scope of work for various projects consisted of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities. Mr. Hammer's responsibilities included inspection of electrical services to pump stations and waste Treatment Plant, control systems and SCADA system.</p> <p><b>LADOTD SP H.012420.6 I-110 Interchange Modifications @ Terrace Ave., Baton Rouge, LA:</b> Mr. Hammer serving as Construction Inspector under supervision of the DOTD certified inspectors for this \$8.80 million CE&amp;I I-110 Terrace Ave Interchange Project. that will provide connectivity from I-110 southbound to the existing I-10 eastbound at the Washington Street exit. The project consists of an exit ramp that will be constructed on the left side of I-110 southbound allowing traffic to exit onto Terrace Ave. Nineteen drill shafts will be utilized. The production shafts consist of 6-24" shafts, 2-36"</p> </div> <div style="width: 48%;"> <p>shafts, 2-48" shafts and 9-96" shafts ranging in length from 55' to 102'. Additionally, this project will also include a widening of the I-110 southbound roadway span, installation of new signage and the installation of poles with new camera equipment to monitor traffic.</p> <p><b>Electrical Inspector / QA/QC (while working for M. Martin Consulting Co.):</b> Mr. Hammer was responsible for inspecting the installation of electrical systems and equipment to detect faulty wiring and ensure they comply with electrical codes and standards. He performed visits to construction sites and performed inspection and made recommendations for improvement. His primary responsibilities were to examine electrical systems and equipment, inspect new and existing sound and security systems, wiring, lighting, motors, and generating equipment. He kept records and wrote reports and reported findings to contractors or government agencies as well as violations. He identified and reported non-compliant installations, examined and inspected wire harnesses, control panels, coaxial cables, and electrical jig boards, for completeness of assembly, quality, and conformance to plans. He inspected wiring of assemblies for accuracy of stripping, soldering, and crimping, and for defects. He also wrote up recommendations for improvement.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Robert Brown, Construction Inspector</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>		
b. Name of firm by which employed full time <b>ECM Consultants, Inc.</b>	c. Years experience:  With this firm: <u>6</u> With other firms: <u>19</u>		
d. Education: Degree(s) / Years / Specialization High School	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____		
f. Project Roles/Responsibilities (Brief Description) Mr. Brown will serve as a Construction Inspector for projects under this contract. <b>Mr. Brown has over 25 years of experience in construction inspection</b> , drafting and surveying. He has extensive experience reading engineering plans and specifications and is proficient with AutoCAD. He has the following certifications: OSHA-10, Confined Space Entry Certification; NHI Flagger. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; Meyer Engineers, 504-885-9892; NTB Associates, Inc., 225-751-4002			
g. Specific experience and qualifications relevant to the proposed project: <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Multiple Pump Stations Highland Rd. – Kenilworth Parkway, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown is serving as a senior inspector for this project that involves the demolition, reconstruction, upgrades, and connection to the SCADA system for multiple pump stations (PS 1, PS LSU, PS027, PS 040, PS 053A, PS 056, PS068, PS074, PS102, PS120, PS 302, and PS 329).</p> <p><b>Central Consolidated Pump Stations Project, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown serves as a senior inspector for this project that involves the design and construction of nine pump stations, three of which will be interconnected and will discharge to the SWWTP via new large forcemain following completion of construction of the SWWTP Project.</p> <p><b>Quality Assurance Representative, Government Property Inspectors and Investigators:</b> Mr. Brown provided quality assurance services for LPV 20.2 reaches 3 and 4 extended levee berm foreshore. The project was over 14,000 feet in length along Lake Pontchartrain in Metairie. Materials comprised of</p> </td> <td style="width: 50%; vertical-align: top;"> <p>R2200 graded stone, geotextile separator fabric, sand, and uncompacted fill. All materials and equipment were brought in by barge. The shoreline was extended out 150 feet. Geotextile separator fabric was placed underwater for stability and a graded stone berm was constructed. The area between this berm and the existing shoreline was filled in with sand and uncompacted fill. The quantity of the R2200 graded stone was over 317,000 tons.</p> <p><b>Construction of Levees, LPV 19.2, USACE, Metairie, LA:</b> Mr. Brown served as Construction Inspector for this project that involved earthen levee berm enlargement at Reach 4. Mr. Brown was responsible for reviewing project plans and specifications to determine constructability and site compatibility; evaluating contractor quality control system; observing all construction phases to ensure compliance; reviewing shop drawings and submittals; checking quantities; reviewing requests for change orders; observing and reviewing three phase inspection (preparatory initial, and follow-up) for all features of work; and inspecting construction materials before installation.</p> </td> </tr> </table>		<p><b>Multiple Pump Stations Highland Rd. – Kenilworth Parkway, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown is serving as a senior inspector for this project that involves the demolition, reconstruction, upgrades, and connection to the SCADA system for multiple pump stations (PS 1, PS LSU, PS027, PS 040, PS 053A, PS 056, PS068, PS074, PS102, PS120, PS 302, and PS 329).</p> <p><b>Central Consolidated Pump Stations Project, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown serves as a senior inspector for this project that involves the design and construction of nine pump stations, three of which will be interconnected and will discharge to the SWWTP via new large forcemain following completion of construction of the SWWTP Project.</p> <p><b>Quality Assurance Representative, Government Property Inspectors and Investigators:</b> Mr. Brown provided quality assurance services for LPV 20.2 reaches 3 and 4 extended levee berm foreshore. The project was over 14,000 feet in length along Lake Pontchartrain in Metairie. Materials comprised of</p>	<p>R2200 graded stone, geotextile separator fabric, sand, and uncompacted fill. All materials and equipment were brought in by barge. The shoreline was extended out 150 feet. Geotextile separator fabric was placed underwater for stability and a graded stone berm was constructed. The area between this berm and the existing shoreline was filled in with sand and uncompacted fill. The quantity of the R2200 graded stone was over 317,000 tons.</p> <p><b>Construction of Levees, LPV 19.2, USACE, Metairie, LA:</b> Mr. Brown served as Construction Inspector for this project that involved earthen levee berm enlargement at Reach 4. Mr. Brown was responsible for reviewing project plans and specifications to determine constructability and site compatibility; evaluating contractor quality control system; observing all construction phases to ensure compliance; reviewing shop drawings and submittals; checking quantities; reviewing requests for change orders; observing and reviewing three phase inspection (preparatory initial, and follow-up) for all features of work; and inspecting construction materials before installation.</p>
<p><b>Multiple Pump Stations Highland Rd. – Kenilworth Parkway, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown is serving as a senior inspector for this project that involves the demolition, reconstruction, upgrades, and connection to the SCADA system for multiple pump stations (PS 1, PS LSU, PS027, PS 040, PS 053A, PS 056, PS068, PS074, PS102, PS120, PS 302, and PS 329).</p> <p><b>Central Consolidated Pump Stations Project, SSO, City of Baton Rouge/Parish of East Baton Rouge, LA:</b> Mr. Brown serves as a senior inspector for this project that involves the design and construction of nine pump stations, three of which will be interconnected and will discharge to the SWWTP via new large forcemain following completion of construction of the SWWTP Project.</p> <p><b>Quality Assurance Representative, Government Property Inspectors and Investigators:</b> Mr. Brown provided quality assurance services for LPV 20.2 reaches 3 and 4 extended levee berm foreshore. The project was over 14,000 feet in length along Lake Pontchartrain in Metairie. Materials comprised of</p>	<p>R2200 graded stone, geotextile separator fabric, sand, and uncompacted fill. All materials and equipment were brought in by barge. The shoreline was extended out 150 feet. Geotextile separator fabric was placed underwater for stability and a graded stone berm was constructed. The area between this berm and the existing shoreline was filled in with sand and uncompacted fill. The quantity of the R2200 graded stone was over 317,000 tons.</p> <p><b>Construction of Levees, LPV 19.2, USACE, Metairie, LA:</b> Mr. Brown served as Construction Inspector for this project that involved earthen levee berm enlargement at Reach 4. Mr. Brown was responsible for reviewing project plans and specifications to determine constructability and site compatibility; evaluating contractor quality control system; observing all construction phases to ensure compliance; reviewing shop drawings and submittals; checking quantities; reviewing requests for change orders; observing and reviewing three phase inspection (preparatory initial, and follow-up) for all features of work; and inspecting construction materials before installation.</p>		

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Matthew Sigler, Construction Inspector</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>  4  </u> With other firms: <u>  16  </u>
d. Education: Degree(s) / Years / Specialization High School	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____

### f. Project Roles/Responsibilities (Brief Description)

Mr. Sigler will serve as a Construction Inspector for projects under this contract. **Mr. Sigler has over 24 years of experience in providing inspection services for a variety of construction projects.** His experience includes construction inspection of many roadway, drainage and utilities projects. His experience also includes soils testing, embankment compaction testing, concrete slump and cylinder preparing at site, and hot mix asphalt coring etc. He has the following certifications: ACI Certification; AHERA Certified for Nuclear Troxler Gauge; TWIC Card . **REFERENCES:** City of BR/EBR, Nathan Cobb, 225-389-4858; Tolunay-Wong Engineers, Inc., 504-467-6009; Terracon Consultants, Inc., 504-818-3638

### g. Specific experience and qualifications relevant to the proposed project:

#### **Concrete and Asphaltic concrete Roadway Restoration in connection with SSO Program, City/Parish of East Baton Rouge:**

Mr. Sigler has provided construction inspection services for several road restoration projects for the past 4 years. He was responsible to ascertain that all work is performed in strict compliance with the plans and specifications and contract documents. He prepared daily reports, interpreted field and material testing results, monitored and documented construction progress through daily and weekly progress reports that included progress photos and quantities of work items in place on daily basis. The following are examples of a few complete roadway restoration projects that included roadway removal, backfill, embankment, aggregate base and asphalt and concrete surfacing:

- Airline Hwy Pipeline Group A
- Sherwood Forest – Goodwood Blvd.
- Lovett Rd. – Greenwell Springs Road
- Hooper Road
- Florida Blvd.

#### **Construction inspection, Soils, Concrete and Asphaltic Concrete Testing for multiple projects:**

While working as Senior Engineering Technician at other engineering firms, he performed the following as part of his duties for inspection:

- In-place density test by nuclear method
- Moisture density, compaction of soils tests
- Air content and slump tests for concrete
- compressive & flexural strength test
- Observe reinforcing steel placement
- HMA test in the field for asphaltic concrete that included the use of nuclear density gauge and core machine

#### **The following is a list of projects for which he provided inspection as well as testing services for various clients:**

- Rubicon-G500 Expansion Project
- Honeywell Chemical Plant Poseidon Towers, Baton Rouge, LA
- Louisiana Sugar Refinery, Gramercy, LA
- BR General Physician Tower, Baton Rouge, LA
- I-10 Widening, Baton Rouge, LA
- Vehicle access bridge for Louis Dreyfuss Commodities Port of Baton Rouge
- The Woodlands Complex, Baton Rouge, LA
- Expansion of Denham Rd, Central, LA
- Expansion of Sullivan Rd, Central, LA

## 9. Provide short résumés for key project personnel

a. Name, Title & Domicile

**Jonathan Lofton, Construction Inspector**  
Baton Rouge, LA

Position or Assignment for this project

**Construction Inspector**

b. Name of firm by which employed full time

**ECM Consultants, Inc.**

c. Years experience:

With this firm: 7 With other firms: 3

d. Education: Degree(s) / Years / Specialization  
High School Diploma

e. Active registration:

Year registered: \_\_\_\_\_  
Branch: \_\_\_\_\_ State: \_\_\_\_\_  
License No.: \_\_\_\_\_

f. Project Roles/Responsibilities (Brief Description)

Mr. Lofton will serve as a construction inspector for projects under this contract. **Mr. Lofton has 10 years of construction inspection experience. REFERENCES:** City of BR/EBR, Nathan Cobb, 225-389-4858; City of Baton Rouge DPW, 225-389-3090; Ohmstede Industrial Services, 225-642-5057

g. Specific experience and qualifications relevant to the proposed project:

**Sanitary Sewer Overflow Program, City of Baton Rouge/East Baton Rouge Parish-DPW; Baton Rouge, LA (2012-present):** Mr. Lofton is currently providing inspection services for projects under the SSO Program, \$800 million in construction. The scope of work for these projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.

**Representative projects include:**

**Choctaw Storage and Pump Station Facilities:**

Mr. Lofton serves as a field inspector for this project that involves the design and construction of a 26-MG facility, an overflow pump station, gravity trunk line overflow pump station, and forcemains.

**Hooper Storage/Equalization:** Mr. Lofton is currently serving as a field inspector for this project that involves the design and construction of two, five million gallon storage tanks as well as the replacement of a booster pump station with a wet well pump station. The purpose is to detain wet weather flows during a storm event and release them back into the collection system when demand is lower. Construction of the storage

facility will eliminate the need for approximately 13,200 feet of pipe replacement, reducing the overall pipe diameter for the remaining sewer projects and eliminating the need to increase the capacity of the NWWTP.

**Pump Station 58 Replacement:** Mr. Lofton is providing inspection services for this project that consists of the construction of a new pump station (PS58) which pumps dry weather flow to the existing gravity system and wet weather flows directly to the South WWTP. The purpose of this project is to relieve SSOs at PS58 as well as in the respective upstream and downstream basins. This project was related to the Staring Lane Forcemain project that involved the construction of the forcemain from PS58A to the South WWTP.

**Highland Road – Burbank Drive Sewer Area Upgrades:** Mr. Lofton is providing inspection services for this project that includes the upsizing of forcemains in an area that extends north to the intersection of Jefferson Highway and Tiger Bend Road and continues south to the Staring Lane extension and Burbank Drive intersection. The upgrades were designed to alleviate overflow problems at the pump station and to increase capacity.

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Mansoor Bajwa, E.I., Construction Inspector</b> <i>Metairie, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>4</u> With other firms: <u>20</u>
d. Education: Degree(s) / Years / Specialization B.S./1978/Civil Engineering	e. Active registration: Year registered: <u>2014</u> Branch: <u>Civil</u> State: <u>MD</u> License No.: <u>41304</u>
f. Project Roles/Responsibilities (Brief Description) Mr. Bajwa will serve as a construction inspector for projects under this contract. <b>Mr. Bajwa has over 24 years of experience in the field of construction engineering and inspection.</b> His experience includes inspection of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities, roadways and bridges, substructure, drainage and utilities. He has the following certifications: LADOTD Certified Asphalt Paving and Structural Concrete Inspector; OSHA-10; Work Zone Traffic Control Flagger/Technician/Supervisor. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; LADOTD, Michael Donmyer, 225-231-4103; LADOTD, Mark Kelley, 225-231-4159	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>DPW Project No. 15-CN-MS-0008: SSO Program, City of Baton Rouge/East Baton Rouge Parish DPW, Baton Rouge, LA:</b> Mr. Bajwa provided construction inspection for projects under the Sanitary Sewer Overflow Program. The scope of work for these projects consisted of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities. Mr. Bajwa's responsibilities included inspection of asphalt overlays and road repair and subsurface drainage associated with the projects.</p> <p><b>Submerged Roads, Phase B, LADOTD, New Orleans, LA:</b> Mr. Bajwa served as Senior Construction Inspector for this project, providing inspection of asphaltic concrete pavement, PCC pavement, patching, ADA compliant ramps, and pavement markings. Duties included monitoring ongoing work being performed by the contractor for compliance with approved plans, specifications, and standards. He calculated quantities of work done and recorded in Daily Reports. Mr. Bajwa also performed field acceptance testing and sampling of materials to implement LADOTD Sampling Plan for QA of all work items.</p> <p><b>Baronne, Burgundy and South Peters Streets:</b> Mr. Bajwa served as Senior Construction Inspector for this project. Project scope included asphaltic</p> </div> <div style="width: 48%;"> <p>concrete pavement, PCC pavement, patching, ADA compliant ramps, and pavement markings. Duties included monitoring work for compliance with approved specifications, plans, and standards. He calculated quantities of work done and recorded in Daily Reports. Mr. Bajwa also performed field acceptance testing and sampling of materials to implement LADOTD Sampling Plan for QA of all work items included in the project.</p> <p><b>French Quarter Street Overlay, LADOTD, New Orleans, LA:</b> Mr. Bajwa served as Senior Construction Inspector for this project and provided inspection of asphaltic concrete pavement, PCC pavement, utility structure adjustments, ADA compliant ramps, and pavement markings. His duties included monitoring ongoing work being performed by the contractor for compliance with approved specifications, plans, standards and relevant regulations. He measured and calculated quantities of work done and recorded when the work was complete in Daily Reports. Mr. Bajwa also performed field acceptance testing and sampling of materials to implement the Sampling Plan of LADOTD for Quality Assurance for all items of work.</p> </div> </div>	

## 10. Brief resume of key persons anticipated to work on this project

<p>a. Name, Title &amp; Domicile  <b>Mark Sanchez, Construction Insepctor</b>  <i>Baton Rouge, LA</i></p>	<p>Position or Assignment for this project  <b>Construction Inspector</b></p>
<p>b. Name of firm by which employed full time  <b>ECM Consultants, Inc.</b></p>	<p>c. Years experience:          With this firm: <u>1</u> With other firms: <u>37</u></p>
<p>d. Education: Degree(s) / Years / Specialization          High School Diploma</p>	<p>e. Active registration:          Year registered: _____          Branch: _____ State: _____          License No.: _____</p>
<p>f. Project Roles/Responsibilities (Brief Description)          Mr. Sanchez will serve as a Construction Inspector for projects under this contract. <b>He has 38 years of experience in Inspcetion</b> and has the following certifications: LADOTD Asphalt Plant Inspector/Technician; LADOTD Asphalt Paving; Work Zone Traffic Control Technician/Supervisor and Flagger. <b>REFERENCES:</b> City BR/EBR, Nathan Cobb, 225-389-4858; Coastal Bridge Company, LLC., 225-766-0244; LADOTD, Mark Kelley, 225-231-4159</p>	
<p>g. Specific experience and qualifications relevant to the proposed project:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA:</b> Mr. Sanchez served as Inspector for projects for roadway restorations after installation of gravity sewer lines and force mains under the SSO Program. He monitored placement of base course and asphaltic concrete paving for roadway restorations and prepared daily inspection reports.</p> <p><b>State Project No. H.010661.6-2 N. Flannery/Firewood/Cloverland Bridges, East Baton Rouge Parish, LA:</b> Mr. Sanchez is providing Inspection services for the replacement of three bridges in East Baton Rouge Parish. Scope includes the removal of existing bridge structures, construction of new bridge substructure &amp; superstructure components, adjacent embankments &amp; roadway. He is responsible for inspecting contractors works and gathering totals on materials used, man power and equipment and filling out a daily report.</p> <p><b>LADOTD SP H.012420.6 I-110 Interchange Modifications @ Terrace Ave., Baton Rouge, LA:</b> Mr. Sanchez is providing inspection services for this \$8.80 million CE&amp;I I-110 Terrace Ave Interchange Project that will provide connectivity from I-110 southbound to the existing I-10 eastbound at the Washington Street exit. The project consists of an exit ramp that will be constructed on the left side of I-110</p> </div> <div style="width: 48%;"> <p>southbound allowing traffic to exit onto Terrace Ave. Nineteen drill shafts will be utilized. The production shafts consist of 6-24” shafts, 2-36” shafts, 2-48” shafts and 9-96” shafts ranging in length from 55’ to 102’. Additionally, this project will also include a widening of the I-110 southbound roadway span, installation of new signage and the installation of poles with new camera equipment to monitor traffic.</p> <p><b>Engineering Technician, Asphalt Plant:</b> Mr. Sanchez sampled and ran DSR tests on blended liquid asphalt and aided in the designing of Job Mixes. He ran gradations, sampled hot mixes and ran tests to determines the specific gravity of the mix for bricks and to determine voids on compacted mix. He worked on roadway cores, trimming them and placing them in an oven to dry prior to testing. When tests indicated mixes were out of specifications, he determined what changes needed to be made to get the mix into specification. He ensured all relevant paperwork was completed.</p> <p><b>LADOTD Certified Asphalt Plant Inspector:</b> While working for LADOTD, Mr. Sanchez’s responsibilities were working at various asphalt plants to ensure the contractors adhered to all LADOTD specifications.</p> </div> </div>	

## 9. Provide short résumés for key project personnel

a. Name, Title & Domicile  
**Bob Tate, Construction Inspector**  
*Metairie, LA*

Position or Assignment for this project  
**Construction Inspector**

b. Name of firm by which employed full time  
***ECM Consultants, Inc.***

c. Years experience:

With this firm: 18 With other firms: 18

d. Education: Degree(s) / Years / Specialization  
 A.S./1986/Civil Engineering

e. Active registration:

Year registered: \_\_\_\_\_

Branch: \_\_\_\_\_ State: \_\_\_\_\_

License No.: \_\_\_\_\_

f. Project Roles/Responsibilities (Brief Description)

Mr. Tate will serve as a construction inspector for projects under this contract. **Mr. Tate has over 36 years of experience as construction inspector.** His duties have involved inspection of all aspects of construction works for roadways, subsurface drainage, water and sewer systems, bridges, parking garage, multifamily housing and military facilities. He has the following certifications: LADOTD certified Structural Concrete Inspector USACE Certified Construction Quality Management; OSHA 10; ATSSA Traffic Control Supervisor & Flagger. **REFERENCES:** C&S Consultants, Inc., 504-529-1500; City of BR/EBR, Nathan Cobb, 225-389-4858; HANO, Lois Watson, 504-670-3423

g. Specific experience and qualifications relevant to the proposed project:

**Sanitary Sewer Overflow (SSO) Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA:** Mr. Tate provided construction inspection for projects under the SSO Program. The scope of work for the ongoing projects consists of construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.

**Minor Streets in District "E", City of New Orleans-DPW, New Orleans, LA:** Mr. Tate provided construction inspection for this \$2.6 million roadway improvement project for Carney, Knight, Dreux, and Forstall Streets. Scope of work involved subsurface drainage, water and sewer system replacement that conformed to S&WB requirements.

**Lapalco Boulevard Improvements US-90 to Segnette Boulevard, SP No. 742-26-0030, LADOTD, Jefferson Parish, LA (2007):** Mr. Tate provided inspection for this project involved the construction of new asphaltic concrete roadway, drainage, and concrete girder span bridges and traffic signal upgrades.

**Improvements to Manhattan Boulevard SP No. 742-26-0048, JP DPW No. 2002-002-RBI, (11th Street to Manhattan Blvd), LADOTD,**

**Jefferson Parish, LA (2007):** Mr. Tate provided construction inspection for this rehabilitation/overlay project that involved cold planning of existing road, concrete panel replacement, new concrete curb, asphaltic concrete overlay, striping, and loop detectors.

**Tchoupitoulas Street (Jackson Ave to Felicity St), City of New Orleans DPW, New Orleans, LA:** Mr. Tate provided inspection for this road reconstruction project. Scope of work included removal of existing pavement, installation of new subsurface drainage and utilities, aggregated base, PCC pavement with curb, traffic signal, striping and pavement markings. This is a major truck route for access to Port of New Orleans facilities. Project required extensive traffic control to keep one lane open during construction and involved coordination with DPW, S&WB, and Port of New Orleans.

**Woodland Drive Rehabilitation, SP No. 742-36-0123, LADOTD; Orleans Parish, LA:** Mr. Tate provided construction inspection for this project which involved grading, drainage structures, class II base course, PCC pavement, sidewalks, driveways, sewer system, water system, placing pavement markings, and related work on a section of Woodland Drive between General DeGaulle Drive and Tullis Drive in Orleans Parish.

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Emilio Rodriguez, Construction Insepector</b> <i>Metairie, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>		
b. Name of firm by which employed full time <b>ECM Consultants, Inc.</b>	c. Years experience:  With this firm: <u>18</u> With other firms: <u>12</u>		
d. Education: Degree(s) / Years / Specialization Architectual CAD / 2006	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____		
f. Project Roles/Responsibilities (Brief Description) Mr. Rodriguez will serve as a construction inspector for projects under this contract. <b>Mr. Rodriguez has over 29 years of experience in providing inspection services</b> for projects involving roadways, bridges, protective coating projects and Cathodic Protection Systems for pipelines and other industrial applications. He has the following certifications: Work Zone Traffic Control Flagger/ Technician/ Supervisor; DOTD Moveable Bridge Inspection Workshop; NHI Bridge Inspection; NHI Safety Inspection of In-Services Bridges; NACE Level 1 Certified. <b>REFERENCES:</b> Dan Westin, CH2M Hill (504) 832-9556; Nelson Capote, LA DOTD: (504) 361-6495; Orleans Levee District, Lewis Capo, 504-355-5990			
g. Specific experience and qualifications relevant to the proposed project: <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Hurricane Katrina Damage Repairs and Demolitions at New Orleans Lakefront Airport, New Orleans, LA:</b> Mr. Rodriguez provided construction inspection services for this FEMA-funded project that included several building demolitions, repairs to multiple sewer lift stations, drainage repairs and miscellaneous damaged items repairs.</p> <p><b>S.P. No. 852-25-0017: Interchange Improvements at Brownswitch Rd. Route LA 1090, St. Tammany Parish:</b> Mr. Rodriguez provided construction inspection services for this project which involves improvements to the intersection of LA 1090 at Brownswitch Road, as well as drainage improvements, sewer and water lines, and utilities. Both roadways were widened to add turn lanes. He also provided construction inspection of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involved lighting, traffic signals and pavement markings.</p> <p><b>Gravier Street Improvements (S. Galvez to S. Broad), City of New Orleans; New Orleans, LA:</b> Mr. Rodriguez provided CAD services for the project that involved installing new drainage structures, sewer and water main systems,</p> </td> <td style="width: 50%; vertical-align: top;"> <p>removing existing pavement, excavating to design grades, constructing new concrete curbs, and constructing new Portland Cement Concrete pavement. He prepared plans and profile sheets, typical section, drainage &amp; utilities detailed plans.</p> <p><b>Lapalco Boulevard (Westwood to Tanglewood), Jefferson Parish DPW/LADOTD; Jefferson Parish, LA:</b> Mr. Rodriguez provided CAD Support of this project involving preparation of plans and details for widening of existing roadway and construction of two new additional lanes with a median. The scope of work included cold planing, base repairs, curb repairs, drainage improvements, asphalt leveling and wearing course, striping for the existing two lane street, and two lane new asphaltic concrete roadway.</p> <p><b>S.P. No. 852-25-0017: LA 1091 at Brownswitch Intersection Improvements, Route LA 1091, St. Tammany Parish, LA (2011):</b> Mr. Rodriguez served as construction inspector for this project which involves construction of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involves lighting, traffic signals and pavement markings.</p> </td> </tr> </table>		<p><b>Hurricane Katrina Damage Repairs and Demolitions at New Orleans Lakefront Airport, New Orleans, LA:</b> Mr. Rodriguez provided construction inspection services for this FEMA-funded project that included several building demolitions, repairs to multiple sewer lift stations, drainage repairs and miscellaneous damaged items repairs.</p> <p><b>S.P. No. 852-25-0017: Interchange Improvements at Brownswitch Rd. Route LA 1090, St. Tammany Parish:</b> Mr. Rodriguez provided construction inspection services for this project which involves improvements to the intersection of LA 1090 at Brownswitch Road, as well as drainage improvements, sewer and water lines, and utilities. Both roadways were widened to add turn lanes. He also provided construction inspection of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involved lighting, traffic signals and pavement markings.</p> <p><b>Gravier Street Improvements (S. Galvez to S. Broad), City of New Orleans; New Orleans, LA:</b> Mr. Rodriguez provided CAD services for the project that involved installing new drainage structures, sewer and water main systems,</p>	<p>removing existing pavement, excavating to design grades, constructing new concrete curbs, and constructing new Portland Cement Concrete pavement. He prepared plans and profile sheets, typical section, drainage &amp; utilities detailed plans.</p> <p><b>Lapalco Boulevard (Westwood to Tanglewood), Jefferson Parish DPW/LADOTD; Jefferson Parish, LA:</b> Mr. Rodriguez provided CAD Support of this project involving preparation of plans and details for widening of existing roadway and construction of two new additional lanes with a median. The scope of work included cold planing, base repairs, curb repairs, drainage improvements, asphalt leveling and wearing course, striping for the existing two lane street, and two lane new asphaltic concrete roadway.</p> <p><b>S.P. No. 852-25-0017: LA 1091 at Brownswitch Intersection Improvements, Route LA 1091, St. Tammany Parish, LA (2011):</b> Mr. Rodriguez served as construction inspector for this project which involves construction of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involves lighting, traffic signals and pavement markings.</p>
<p><b>Hurricane Katrina Damage Repairs and Demolitions at New Orleans Lakefront Airport, New Orleans, LA:</b> Mr. Rodriguez provided construction inspection services for this FEMA-funded project that included several building demolitions, repairs to multiple sewer lift stations, drainage repairs and miscellaneous damaged items repairs.</p> <p><b>S.P. No. 852-25-0017: Interchange Improvements at Brownswitch Rd. Route LA 1090, St. Tammany Parish:</b> Mr. Rodriguez provided construction inspection services for this project which involves improvements to the intersection of LA 1090 at Brownswitch Road, as well as drainage improvements, sewer and water lines, and utilities. Both roadways were widened to add turn lanes. He also provided construction inspection of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involved lighting, traffic signals and pavement markings.</p> <p><b>Gravier Street Improvements (S. Galvez to S. Broad), City of New Orleans; New Orleans, LA:</b> Mr. Rodriguez provided CAD services for the project that involved installing new drainage structures, sewer and water main systems,</p>	<p>removing existing pavement, excavating to design grades, constructing new concrete curbs, and constructing new Portland Cement Concrete pavement. He prepared plans and profile sheets, typical section, drainage &amp; utilities detailed plans.</p> <p><b>Lapalco Boulevard (Westwood to Tanglewood), Jefferson Parish DPW/LADOTD; Jefferson Parish, LA:</b> Mr. Rodriguez provided CAD Support of this project involving preparation of plans and details for widening of existing roadway and construction of two new additional lanes with a median. The scope of work included cold planing, base repairs, curb repairs, drainage improvements, asphalt leveling and wearing course, striping for the existing two lane street, and two lane new asphaltic concrete roadway.</p> <p><b>S.P. No. 852-25-0017: LA 1091 at Brownswitch Intersection Improvements, Route LA 1091, St. Tammany Parish, LA (2011):</b> Mr. Rodriguez served as construction inspector for this project which involves construction of a roundabout and drainage improvements at the intersection of LA 1091 and Brownswitch Road. The project also involves lighting, traffic signals and pavement markings.</p>		

## 10. Brief resume of key persons anticipated to work on this project

a. Name, Title & Domicile <b>Andre Savoie, Construction Insepctor</b> <i>Baton Rouge, LA</i>	Position or Assignment for this project <b>Construction Inspector</b>
b. Name of firm by which employed full time <b><i>ECM Consultants, Inc.</i></b>	c. Years experience:  With this firm: <u>  3  </u> With other firms: <u>  4  </u>
d. Education: Degree(s) / Years / Specialization B.S./2010/ Construction Management	e. Active registration: Year registered: _____ Branch: _____ State: _____ License No.: _____
f. Project Roles/Responsibilities (Brief Description) Mr. Savoie will serve as a construction inspector for projects under this contract. <b>Mr. Savoie has seven years of experience in inspection</b> of roadway and infrastructure construction including four years with LADOTD. He has the following certifications: LADOTD Embankment and Base Course Inspector/Technician; Work Zone Traffic Control Technician/Supervisor and Flagger. <b>REFERENCES:</b> City of BR/EBR, Nathan Cobb, 225-389-4858; LADOTD, Peggy Jo Paine, 225-379-1065; LADOTD New Orleans, 504-942-8355	
g. Specific experience and qualifications relevant to the proposed project:  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>DPW Project No. 15-CN-MS-0008, Sanitary Sewer Overflow Program, City of Baton Rouge/East Baton Rouge Parish-DPW; Baton Rouge, LA</b> Mr. Savoie served as an Inspector for several projects under the SSO Program. The scope of work for these projects consisted of construction and/or rehabilitation of gravity sewers and wastewater lift stations and treatment plant facilities. His responsibilities also included inspection of roadway rehabilitation, embankment and base course overlays and road repair involved for many of these projects.</p> <p><b>S.P. No. H.006195, Martin Rd. Bridge over Morrison Canal; Orleans Parish, LA:</b> Mr. Savoie has served as an Inspector for this off system bridge project, that replaced the existing bridge. Mr. Savoie’s role included piling, concrete, embankment, and pavement inspection.</p> <p><b>S.P. No. 009250, I-10: Highland to LA 73 Design-Build Project, LADOTD, East Baton Rouge/Ascension Parish, LA:</b> Mr. Savoie is serving as Construction Inspector for this \$72 million design-build project to widen I-10 from four to six lanes in both east and westbound directions, bridge modifications including replacing I-10 bridge over Highland Road,</p> </div> <div style="width: 48%;"> <p>widening and rehabilitating I-10 bridge over Bayou Manchac, and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73.</p> <p><b>Technician, LADOTD:</b> Mr. Savoie managed several LADOTD road and bridge projects which include Submerged Roads Programs and Paths to Progress. He made daily inspections, attended weekly meetings, performed density and moisture tests. He has experience in SiteManager and generating project estimates as well as daily reports. His duties also included monitoring/supervising ongoing work being carried out by the contractor for compliance with approved plans and specifications, standards and relevant regulations. Mr. Savoie also performed field acceptance testing and sampling of materials to implement the Sampling Plan of LADOTD for Quality Assurance for all items of work included in these projects. This included inspections on all phases of construction including base material work, drainage structures, roadway concrete patching and asphalt milling/overlay, ADA handicap ramps, sidewalks, and roadway striping.</p> </div> </div>	

11. Firm's most relevant project experience (List **no more than 10 projects** and include no more than one page per project)

<p>a. Project Name: <b>Construction Inspection of sewer collection system ( Gravity lines &amp; Force Mains) in Support of Annual Contract for SSO Program</b></p>	<p>d. Firm Responsibility:  _x__Prime</p>	<p>e. Owner/Agency Name: <b>City of Baton Rouge/East Baton Rouge Parish</b> f. Project Manager: <b>Nathan Cobb, P.E.</b> g. Address: <b>1100 Laurel Street, Baton Rouge, LA 70802</b></p>	<p>j. Start Date: <b>2015</b> k. End Date: <b>on-going</b> l. Eng. Cost: <b>\$17,713 (in thousands)</b> m. Const. Cost: <b>\$900,000* (in thousands)</b> *Total Program</p>
<p>b. Project Number: <b>15-CN-MS0009</b></p>	<p>___Sub</p>	<p>h. Phone: <b>(225) 389-4858</b></p>	
<p>c. Project Location: <b>Baton Rouge, LA</b></p>		<p>i. Email: <b>ncobb@brgov.com</b></p>	

n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

**Pipeline, Gravity and Force Main:**

ECM is providing construction inspection services under this contract that includes improvements and rehabilitation to existing sewer facilities and construction of new facilities. ECM provided construction inspection services for the following projects under the SSO Program:

- Lovette Rd – Greenwell Springs
- Sherwood Forest - Goodwood Blvd. Pipeline
- Airline Highway Pipeline Group A
- Highland Road Pipeline Improvements Part A & C
- Joor Rd – Greenwell Springs
- O'Neal Lane Area Forcemain and Gravity Improvements "Pipeline"
- Plank Road – Port Hudson – Pride Road Sewer Area Upgrades
- South Forced Lower Basin (Highland-Burbank)
- Zachary Area Transimission Network Improvements Phase II
- Zachary Area Transmission Network Improvements Phase III

**Scope of Work included:**

1. Field inspections:

- a. Monitor, observe and document Construction activities for Quality Assurance.
- b. Coordinate, track and document all materials and field Testing activities
- c. Monitor progress for schedule compliance and notify owner of any potential delays and remediation

d. Track and Document quantities

- i. Daily and compile monthly
- ii. Meet with contactor to finalize quantities for pay applications
- iii. Tracking project quantities through completion.

e. Recordation and Completion of as-built plans

**2. Inspection of Installation gravity piping systems**

- a. 6" – 36" gravity pipe and associated manholes and roadway restoration
- b. Monitor and document field testing of gravity sewer systems

**3. Inspection of Installation force main piping systems**

- a. 4" – 60" force main pipe (restrained and unrestrained)
- b. Installation and testing of Air Release Valves (ARV's)
- c. Monitor, observe and document testing of sytems
- d. Directional bore and jack installations of pipe

100% of work was performed in Louisiana.

**Key Personnel:**

- Ujjal DasGupta, P.E.
- Kazem Alikhani, P.E.
- Chad Vosberg, PE
- David Waller
- Chris Bostic
- Chad Normand
- Andre Savoie
- Jonathan Lofton
- Anatole Hammer



11. Firm's most relevant project experience (List no more than 10 projects and include no more than one page per project)

<p>a. Project Name: Construction Inspection of Sewer Pump Stations in Support of Annual Contract for SSO Program</p> <p>b. Project Number: 15-CN-MS0009</p> <p>c. Project Location: Baton Rouge, LA</p>	<p>d. Firm Responsibility:</p> <p><u>  x  </u> Prime</p> <p><u>    </u> Sub</p>	<p>e. Owner/Agency Name: City of Baton Rouge/East Baton Rouge Parish</p> <p>f. Project Manager: Nathan Cobb, P.E.</p> <p>g. Address: 1100 Laurel Street, Baton Rouge, LA 70802</p> <p>h. Phone: (225) 389-4858</p> <p>i. Email: <a href="mailto:ncobb@brgov.com">ncobb@brgov.com</a></p>	<p>j. Start Date: 2015</p> <p>k. End Date: on-going</p> <p>l. Eng. Cost: \$17,713 (in thousands)</p> <p>m. Const. Cost: \$900,000 (in thousands)</p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

**Sewer Pump Stations:**

ECM is providing construction inspection services under this contract for a variety of Capacity Improvement Projects including the construction of new pump stations and upgrades of existing pump stations.

ECM has provided inspection for the following projects:

- Florida Blvd Pump Station Improvements
- Hooper Road Pump Stations
- Multiple Pump Stations-Prescott Rd - Greenwell Springs Rd.
- Central Consolidated Pump Stations
- Central Consolidated Pump Station 42 Sewer Capacity
- Choctaw Storage and Pump Station Facilities
- Group 1B Metro Airport
- Little Farms Sewer Area Upgrades
- MPS Hwy 61 – Plank 11
- Multiple Pump Stations-Highland Rd - Kenilworth Pkwy
- O'Neal Lane Pump Stations Improvements Part B & C
- Pump Station 58- Replacement

**Scope of work included:**

1. Field inspections:
  - a. Monitor, observe and document Construction activities for Quality Assurance.
  - b. Coordinate, track and document all materials and

- c. field Testing activities
- d. Monitor progress for schedule compliance and notify owner of any potential delays and remediation
- e. Recordation and completion of as-built plans and
- f. Receive and submit O&M manuals and warranty documents to the Owner

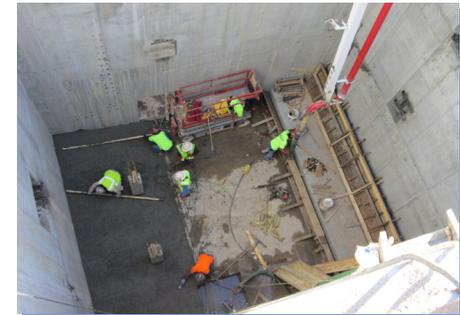
2. Inspection of Installation of pump stations/lift stations

- a. Site work
- b. Installation of wet wells
- c. Installation of piping systems and pumps
- d. Electrical and control apparatuses
- e. Coating of all piping and wet wells
- f. Installation of odor control systems
- g. Piping, manholes and fittings

100% of work was performed in Louisiana.

**Key Personnel:**

- Ujjal DasGupta, P.E.
- Kazem Alikhani, P.E.
- Chad Vosberg, P.E.
- David Waller
- Chris Bostic
- Chad Normand
- Glenn Eggart
- Mathew Sigler
- Robert Brown
- Jonathan Lofton
- Glenn Eggert



11. Firm's **most** relevant project experience (List no more than **10 projects** and include no more than **one page per project**)

<p>a. Project Name: <b>Rehabilitation of Sewer Lift Stations at 42<sup>nd</sup> and Erlanger, 15<sup>th</sup> Street and Webster</b></p> <p>b. Project Number: <b>N/A</b></p> <p>c. Project Location: <b>Kenner, LA</b></p>	<p>d. Firm Responsibility:</p> <p><b>_x_ Prime</b></p> <p><b>__ Sub</b></p>	<p>e. Owner/Agency Name: <b>City of Kenner - DPW</b></p> <p>f. Project Manager: <b>Jose Gonzalez</b></p> <p>g. Address: <b>1800 Williams Boulevard, Kenner, LA 70065</b></p> <p>h. Phone: <b>504-468-7515</b></p> <p>i. Email: <b>jgonzalez@jeffparish.net</b></p>	<p>j. Start Date: <b>2009</b></p> <p>k. End Date: <b>2011</b></p> <p>l. Eng. Cost: <b>\$310</b></p> <p>m. Const. Cost: <b>\$1,500</b> <i>(in thousands)</i></p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

ECM provided an engineering study, evaluations, design and resident inspection for rehabilitation to the lift station at 42nd/Erlanger and 15th/Webster in Kenner for the City of Kenner-DPW. The 42nd/Erlanger lift station was upgraded to pumping capacity of 625 gallons per min., an increase from an existing capacity of 375 gallons per min. This upgrade was for accommodating increased flows during wet weather due to infiltration and inflow within its collection system.

The upgrade to 15th/Webster lift station involved increasing pumping capacity from 800 gallons per min. to 1,200 gallons per min. This upgrade was for accommodating increased flows during wet weather due to infiltration and inflow within its collection system.

Scope of work included review of existing lift station's as-built plans, field investigations, review of flow data for the sewer collection system for this lift station, and verification of required pumping capacity and force main size. Work also included computations for head losses for suction and discharge piping and force mains to determine Total Dynamic Head (TDH) required for the new pumps and selection of the new duplex above ground centrifugal pumps for the design capacity of 625 gpm for 42<sup>nd</sup>/Erlanger and 1200 gpm for 15<sup>th</sup>/Webster. The work also included replacing all piping, valves, control system, and restoration of the lift station wet well.

The main objective of both projects was to prevent the pump from running continuously during wet weather flow, but to have the capacity to pump out influent without causing overflow. Design consideration included operation of the pump for both dry weather and wet weather conditions.

ECM prepared plans and specifications for the replacement pumps with new pumps, controls, valves, piping, wet well rehabilitation, etc. including force main extension to the tie-in for the existing 6" force main.

Additionally, ECM provided services during bid phase as well as construction administration and resident inspection services for this project. Resident Inspection included monitoring construction activities for conformance with plans and specifications; keeping track of work quantities; review of monthly pay estimates, recordation of as-built conditions etc. This project was completed within budget and on-time without any change orders.

100 % of all work performed in Louisiana.

**Key Personnel:**  
 Ujjal DasGupta, P.E.  
 Emilio Rodriguez  
 Bob Tate



11. Firm's most relevant project experience (List **no more than 10 projects** and include no more than one page per project)

<p>a. Project Name: Construction Inspection for Rehabilitation of existing Sewer System in Support of Annual Contract for SSO Program</p> <p>b. Project Number: 15-CN-MS0009</p> <p>c. Project Location: Baton Rouge, LA</p>	<p>d. Firm Responsibility:</p> <p style="text-align: center;"><u>  x  </u> Prime</p> <p style="text-align: center;"><u>    </u> Sub</p>	<p>e. Owner/Agency Name: City of Baton Rouge/East Baton Rouge Parish</p> <p>f. Project Manager: Nathan Cobb, P.E.</p> <p>g. Address: 1100 Laurel Street, Baton Rouge, LA 70802</p> <p>h. Phone: (225) 389-4858</p> <p>i. Email: ncobb@brgov.com</p>	<p>j. Start Date: 2015</p> <p>k. End Date: on-going</p> <p>l. Eng. Cost: \$17,713 (in thousands)</p> <p>m. Const. Cost: \$900,000* (in thousands)</p> <p>*Total Program</p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

**Rehabilitation of Sewer Systems:**

ECM is providing inspection for the construction of many sewer rehabilitation projects under the SSO Program including:

- Ardenwood Drive / Winbourne Avenue Area Sewer Rehabilitation
- Acadian Thruway-Perkins Road Rehabilitation Project C
- Annual Point Repair-Sewer Rehabilitation
- Annual Physical Inspection
- Brookstown Road/Evangeline Street Sewer Rehabilitation Project Phase II
- Scenic Highway - Spanish Town Road Area Sewer Rehabilitation Phase I
- Silverleaf Road/Ford Street Area Rehabilitation Project

**Scope of work included:**

1. Field inspection
  - a. Monitor, observe and document Construction activities for Quality Assurance.
  - b. Coordinate, track and document all materials and field Testing
  - c. Monitor progress for schedule compliance and notify owner of any potential delays and remediation
  - d. Track and Document quantities
    - i. Daily and compile monthly
    - ii. Meet with contactor to finalize quantities for pay applications
    - iii. Tracking project quantities through completion.

e. Recordation and Completion of as-built plans

**2. Pipe rehabilitation**

- a. CCTV inspection of area to locate needed repairs
- b. Repair/Replace existing damaged pipes
- c. Install CIPP liner
- d. Testing of pipe rehabilitation

**3. Manhole rehabilitation**

- a. Manhole repair & coating
- b. Vacuum testing

100 % of work was performed in Louisiana

**Key Personnel:**

- Ujjal DasGupta, P.E.
- Kazem Alikhani, P.E.
- Chad Vosburg, PE
- David Waller
- Chris Bostic
- Chad Normand
- Glenn Eggert
- Robert Brown
- Jonathan Lofton
- Anatole Hammer
- Mansoor Bajwa
- Matthew Sigler
- Kim Martinez



11. Firm's most relevant project experience (List **no more than 10 projects** and include no more than one page per project)

<p>a. Project Name: <u>Rehabilitation of Sewer Lift Stations at New Orleans Lakefront Airport</u></p> <p>b. Project Number: <u>N/A</u></p> <p>c. Project Location: <u>New Orleans, LA</u></p>	<p>d. Firm Responsibility:</p> <p style="text-align: center;"><u>__X__ Prime</u></p> <p style="text-align: center;"><u>___ Sub</u></p>	<p>e. Owner/Agency Name: <u>Orleans Levee District</u></p> <p>f. Project Manager: <u>Lewis Capo</u></p> <p>g. Address: <u>6920 Franklin Avenue, New Orleans, LA 70122</u></p> <p>h. Phone: <u>504-355-5990</u></p> <p>i. Email: <u>lcapo@orleanslevee.com</u></p>	<p>j. Start Date: <u>2008</u></p> <p>k. End Date: <u>2010</u></p> <p>l. Eng. Cost: <u>\$560</u> <i>(in thousands)</i></p> <p>m. Const. Cost: <u>\$5,800</u> <i>(in thousands)</i></p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana

In the aftermath of Hurricane Katrina, ECM was awarded a contract to rehabilitate all existing lift stations at Lakefront Airport in New Orleans. The scope of work included initial assessments of damage to nine sewer lift stations. ECM identified repairs that were listed in the FEMA Inspection Report as well as additional necessary repairs as determined by ECM's field inspectors.

The project included topographic survey; field investigations of all lift stations including electricals, controls, and influent and effluent piping condition assessment; and preparation of plans to identify requirements for each lift station (a total of 10).

ECM's scope included design for rehabilitating and replacing pumps, motors, controls, electrical, etc. for the nine (9) lift stations which were a combination of above and below ground packaged lift stations, and the main lift station pumped all sewer collected from the airport area to the S&WB sanitary sewer system. During design phase ECM made recommendations to eliminate one lift station which required a long force main and was found to be unnecessary. A small lift station was designed to discharge to a small packaged treatment plant with treated flow discharged to the Intracoastal waterways.

The new discharge received permits/approvals from all agencies having jurisdiction, and saved substantial money for eliminating a lift station and several hundred feet of force main. This received "Commendations" from the owner.

ECM also provided bid phase, construction administration and resident inspection services for this project. Resident inspection services included monitoring, observing to assure that all construction activities are in strict compliance with plans and specifications. This also included preparation of daily inspection reports with details of work performed including photographs, review of monthly pay estimates, coordination with Owner, Contractor, S&WB and Entergy.

**Work included:**

1. Repair of above ground wet-dry main lift station including new electrical service and control system including repairs to interior and exterior of the pump station building and commission of the station.
2. Replacement of several above ground package lift stations including electric services.
3. Repairs to several packaged lift stations including electrical and controls.
4. Replacement of damaged influent and effluent lines.

100% of work performed in Louisiana.

**Key Personnel:**

Ujjal DasGupta, P.E.  
Bob Tate  
Emilio Rodriguez



11. Firm's most relevant project experience (List no more than 10 projects and include no more than one page per project)

<p>a. Project Name: Construction Inspection Support Annual Contract for SSO Program – Wastewater Treatment Plants</p> <p>b. Project Number: 15-CN-MS0009</p> <p>c. Project Location: Baton Rouge, LA</p>	<p>d. Firm Responsibility</p> <p style="text-align: center;">_x__Prime</p> <p style="text-align: center;">___Sub</p>	<p>e. Owner/Agency Name: City of Baton Rouge/East Baton Rouge Parish</p> <p>f. Project Manager: Nathan Cobb, P.E.</p> <p>g. Address: 1100 Laurel Street, Baton Rouge, LA 70802</p> <p>h. Phone: (225) 389-4858</p> <p>i. Email: <a href="mailto:ncobb@brgov.com">ncobb@brgov.com</a></p>	<p>j. Start Date: 2015</p> <p>k. End Date: on-going</p> <p>l. Eng. Cost: \$17,713 (in thousands)</p> <p>m. Const. Cost: \$900,000* (in thousands)</p> <p>*Total Program</p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

**Wastewater Treatment Plants**

ECM is providing construction inspection services under the Sanitary Sewer Overflow Program (SSO) contract for the City of Baton Rouge. The projects below were identified and prioritized by the Wastewater Master Plan. These improvements have been split into two projects: North WWTP Master Plan Plant Improvements project and North WWTP Master Plan Sustainability project. Once completed, these projects will minimize odor and visual impacts for new landscaping and enhance aesthetics of the area surrounding the plant.

**Projects include:**

- North Wastewater Treatment Plant - Odor Control and Sodium Hydrochlorite
- North Wastewater Treatment Plant - General Electrical Rehabilitation
- North Wastewater Treatment Plant - Plant and Master SCADA
- North Wastewater Treatment Plant - Pretreatment and Grit Removal Rehabilitation
- North Wastewater Treatment Plant - Generator Installation
- North Wastewater Treatment Plant - Pump Replacement
- North Wastewater Treatment Plant - Trickling Filter Upgrade
- North Wastewater Treatment Plant - Landscape Buffer Area Project
- North Wastewater Treatment Plant - Sustainability project
- South WWTP Wet Water Improvements (Phase II)
- Choctaw Storage and Pump Station Facilities
- Hooper Storage / Equalization Storage Facility Project

**Scope of work includes:**

1. Field inspections:

- a. Monitor, observe and document Construction activities for Quality Assurance.
- b. Coordinate, track and document all materials and field Testing
- c. Monitor progress for schedule compliance and notify owner of any

2. Construction Inspection of waste water treatment facilities
3. Construction Inspection of waste water storage facilities
4. Inspection of Primary treatment improvements
  - a. Primary settling tanks
  - b. Installation of chemical storage and feed systems
  - c. Repair/replace clarifier mechanisms and components
  - d. Replace existing sludge pumps
  - e. Trickling filter improvements
  - f. Sludge handling improvements
  - g. Electrical rooms and control apparatuses
  - h. Piping, pumps and concrete structures
  - i. Inspection of Landscape Buffer Areas

100% of this work was performed in Louisiana.

**Key Personnel:**

- Ujjal DasGupta, P.E.
- Kazem Alikhani, P.E.
- Chad Vosburg, P.E.
- David Waller
- Chris Bostic
- Chad Normand
- Glenn Eggert
- Mathew Sigler
- Jonathan Lofton



11. Firm's most relevant project experience (List no more than 10 projects and include no more than one page per project)

<p>a. Project Name: <b>Construction Inspection in Support of Annual Contract for SSO Program – SCADA, Generators and Startup</b></p> <p>b. Project Number: <b>12-CN-MS0014</b></p> <p>c. Project Location: <b>Baton Rouge, LA</b></p>	<p>d. Firm Responsibility:</p> <p style="text-align: center;"><u>  </u><b>x</b><u>  </u>Prime</p> <p style="text-align: center;"><u>  </u><b>  </b><u>  </u>Sub</p>	<p>e. Owner/Agency Name: <b>City of Baton Rouge/East Baton Rouge Parish</b></p> <p>f. Project Manager: <b>Nathan Cobb, P.E.</b></p> <p>g. Address: <b>1100 Laurel Street, Baton Rouge, LA 70802</b></p> <p>h. Phone: <b>(225) 389-4858</b></p> <p>i. Email: <b>ncobb@brgov.com</b></p>	<p>j. Start Date: <b>2012</b></p> <p>k. End Date: <b>2015</b></p> <p>l. Eng. Cost: <b>\$10,200 (in thousands)</b></p> <p>m. Const. Cost: <b>\$900,000* (in thousands)</b></p> <p><b>*Total Program</b></p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

**SCADA System Installation:**

As part of ECM's construction inspection contract for the SSO program we provided inspection services for SCADA systems. SCADA work involved inspection of installation of a central SCADA system to monitor and control the wastewater infrastructure. The SCADA system includes interface between over 400 pump stations, the South WWTP control room, the Choctaw Maintenance Facility control room, the Advanced Traffic Management-Emergency Operations Center (ATM-EOC), and the Central control room. The SCADA system consists of process SCADA servers, business servers, network supporting services servers, network attached storage devices, client workstations, software, network equipment, and network infrastructure including fiber optic lines.

**Standby Generator Installations**

Work included the inspection of installation of standby generators at over 400 pump stations across the parish. The project included the installation of automatic transfer switches that monitor the incoming electrical voltage at each pump station and notifies the standby generator to start up when voltage is lost due to power outage. The purpose was to keep the pump stations operational during any event that causes an electrical outage.

ECM provided several Electrical/Generators Specialty Inspectors

to monitor worked associated with installation of SCADA systems and generators.

**Pump Station Startups and Commissioning**

Work included verification of all mechanical, electrical, instrumentation and controls are in place and function as designed. ECM coordinated with contractors and vendors for correct sequence of commissioning. We tracked and documented testing, and verified the correct spare parts and warranty documentation as well as O&M manuals

100% of work was performed in Louisiana.

**Key Personnel:**

- Ujjal DasGupta, P.E.
- Chad Vosburg, PE
- David Waller
- Chris Bostic
- Chad Normand
- Glenn Eggert
- Mathew Sigler
- Robert Brown
- Jonathan Lofton
- Anatole Hammer



11. Firm's most relevant project experience (List no more than 10 projects and include no more than one page per project)

<p>a. Project Name: <b>Rehabilitation of a Sewer Lift Station No. 4309 and a New 20" Force Main</b></p> <p>b. Project Number: <b>N/A</b></p> <p>c. Project Location: <b>Kenner, LA</b></p>	<p>d. Firm Responsibility</p> <p><u>  _x  </u> Prime</p> <p><u>      </u> Sub</p>	<p>e. Owner/Agency Name: <b>City of Kenner-DPW</b></p> <p>f. Project Manager: <b>Kurt Evans, P.E. (PM for City)</b></p> <p>g. Address: <b>1800 Williams Boulevard, Kenner, LA 70065</b></p> <p>h. Phone: <b>504-468-6129</b></p> <p>i. Email: <b>kevans@deii.com</b></p>	<p>j. Start Date: <b>1998</b></p> <p>k. End Date: <b>2000</b></p> <p>l. Eng. Cost: <b>\$230 (in thousands)</b></p> <p>m. Const. Cost: <b>\$1,100 (in thousands)</b></p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

This project involved study and analysis of several major sewerage lift stations as well as design, preparation of construction documents, and resident inspection for rehabilitation and upgrades of Lift Station No. 4309. Design included new pumps, piping, and controls for increased capacity of 4800 gpm, and rehabilitation of the wet well. The project also included design for changing an 18" force main to a new 20" force main from Lift Station No. 4309 to Lift Station No. 4330.

This involved study for the service area and review of all eight lift stations within the area that discharged to No. 4309. Lift station 4309 was a wet well/dry pit type lift station discharging to the major lift station No. 4330, which in turn discharges most of the flow of the City of Kenner to the Kenner Sewerage Treatment Plant.

The study conducted, allowed the city to determine the capacity upgrade required for each lift station. The wet well of lift station No. 4309 was severely deteriorated with all of the interior walls and slabs corroded and rebar exposed as well as corroded in many places. ECM's design included rehabilitation of the wet well by cleaning the wet well and adding reinforced mesh and gunnite concrete over 3" thick on all surfaces. During rehabilitation of the wet well, this flow had to be diverted to the nearest gravity system using pumps.

Project included two (2) new 4,800 gpm pumps, valves, piping, and controls for the pumps in the dry pit, rehabilitation of the dry pit. Project under a separate construction contract included installation of a 20" PVC sewer force main from lift station No. 4309 to Lift Station No. 4330

ECM was responsible for preparation of plans, specifications, construction administration, as well as resident inspection for the this project. This lift station project and force main were bid separately. The bid amount for this \$750,000 lift station rehabilitation was \$90 lower than our engineering estimate and we received Commendation from city officials. Bid amount for the 20" PVC force main was \$350,000.

Resident inspection services included monitoring all construction activities to assure that works are performed in strict compliance of contract plans and specifications and in good workmanship manner; preparing daily inspection reports with details of work activities and contractor's personnel and equipment at the site and photographs; track quantities used on daily basis; monitor contractor's safety compliance, monitor progress compared to approved construction schedule; recordation of as-built condition for as-built plans; review monthly and final pay estimates; substantial and final inspections; review of O&M manuals and warranty documents and hand them over to City at project closeout.

100% of the work was performed in Louisiana.

**Key Personnel:**  
Ujjal DasGupta, P.E.



11. Firm's most relevant project experience (List **no more than 10 projects** and include no more than one page per project)

<p>a. Project Name: <b>Improvements to Lift Station D7-2 (Kawanee &amp; Olympic) and new 16" HDPE Force Main</b></p>	<p>d. Firm Responsibility: <b>__Prime</b></p>	<p>e. Owner/Agency Name: <b>Jefferson Parish-DPW</b></p>	<p>j. Start Date: <b>2015</b></p>
<p>b. Project Number: <b>SCIP Project D5812</b></p>	<p>x__Sub</p>	<p>f. Project Manager: <b>Joe Sensebe, P.E. (PM for Arcadis -Prime)</b></p>	<p>k. End Date: <b>2016</b></p>
<p>c. Project Location: <b>Metairie, LA</b></p>		<p>g. Address: <b>1201 Elmwood Boulevard, Jefferson , LA- 70123</b></p>	<p>l. Eng. Cost: <b>\$60 (RI only) (in thousands)</b></p>
		<p>h. Phone: <b>504-832-4174</b></p>	<p>m. Const. Cost: <b>\$3,200 (in thousands)</b></p>
		<p>i. Email: <b>joshep.sensebie@ arcadis-us.com</b></p>	

n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

This project involved **resident inspection for construction of a new Lift Station** that included an eight ft. diameter wet well, two new 4500 gpm submersible pumps, manifold piping, valving, electrical service and controls for increased capacity and included installation of 3,500 FT. of new 16" HDPE force main by jack and bore from LS D7-1 to LS E 7-1 in Metairie. This FM installation required aerially crossing the Kawanee bridge over Wilson canal.

**Resident inspection services** included monitoring all construction activities to assure that works are performed in strict compliance of contract plans and specifications and in good workmanship manner; preparing daily inspection reports with details of work activities and contractor's personnel and equipment at the site and photographs; track quantities used on daily basis; monitor contractor's safety compliance, monitor progress compared to approved construction schedule; recordation of as-built condition for as-built plans; review monthly and final pay estimates; substantial and final inspections; review of O&M manuals and warranty documents and hand them over to Jefferson Parish at project closeout.

**Key Personnel:**

Kazem Alikhani, PE  
Penny Coleman

Ujjal DasGupta, P.E.  
Bob Tate



11. Firm's most relevant project experience (List no more than 10 projects and include no more than one page per project)

<p>a. Project Name: Sewer Lift Station 4201 Canary Ansas and 6" Sewer Force Main</p> <p>b. Project Number: N/A</p> <p>c. Project Location: Kenner, LA</p>	<p>d. Firm Responsibility:</p> <p><u>  x  </u> Prime</p> <p><u>    </u> Sub</p>	<p>e. Owner/Agency Name: City of Kenner-DPW</p> <p>f. Project Manager: Kurt Evans, P.E. (PM for City)</p> <p>g. Address: 1800 Williams Boulevard, Kenner, LA 70065</p> <p>h. Phone: 504-468-6129</p> <p>i. Email: kevens@deii.com</p>	<p>j. Start Date: 2013</p> <p>k. End Date: 2014</p> <p>l. Eng. Cost: \$31 (RI) (in thousands)</p> <p>m. Const. Cost: \$650 (in thousands)</p>
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n. Describe the project including the firm's role, members involved (highlight members to be utilized in work) and % of work performed in Louisiana.

ECM provided resident inspection for this city of kenner project that involved Rehabilitation of 6' dia (ID) wet well lift station involving replacement of submersible pumps with new 2- 200 gpm pump including piping manifold, valve pit and valves, electrical and new control system and a new 6" HDPE sewer force main from the Canary Ansas Lift Station 4201 to 42<sup>nd</sup> and Erlanger Lift Station 4202 approximately 2,500 LF. by jack and bore . Also included in the scope was the rehabilitation of Canary Ansas Lift Station 4201 wetwell.

**Resident Inspection duties includes:**

1. Attend pre-construction conferences.
2. Maintain copies of shop drawings from Contractor
3. Advise City Program Manager and Contractor or his/her superintendent immediately for non- conforming work
4. Conduct on-site observations of the work in progress, ensure work is in accordance with contract documents
5. Observe systems startups, record and report to Program Manager appropriate details relative to the test procedures and startups.
6. Maintain RFIs and/ or clarification from contractor with response
7. Review monthly pay applications from contractor

8. Verified that certificates, maintenance and operation manuals, warranties and other documents are submitted
9. Conduct final inspection in the with Design Engineer, Program Manager, Owner and Contractor and prepare a punch list of items to be completed or corrected.
10. Verify that all items on final list have been completed or corrected prior to final acceptance by City..

**Key Personnel:**

Ujjal DasGupta, P.E.  
Bob Tate



12. All work by firm (all offices) currently being performed for or selected by Ascension Parish Government (as Prime or Sub-consultant)

a. Project name, and location*	b. Nature of your firm's responsibility (also identify if prime or sub-consultant)	c. Percent complete (by phase/type of work)	d. Contract fees (in thousands)** (by phase/type of work)	
			Total	Remaining
ECM has no on-going working with Ascension Parish Government, nor have we been selected for work as a Prime or Sub-Consultant.				
* For master contracts, list open task orders individually ** Do not include sub-consultant's fees			\$0.00	\$0.00
<b>Total</b>				

13. Use this space to provide any additional information or description of resources supporting your firm's qualifications for the proposed project. This section may also be used to submit proposed prices, if required. A maximum of two (2) additional sheets may be utilized to answer this question. All other sheets not specifically requested shall be excluded.

#### EVALUATION CRITERIA

1. Firm Qualifications & Experience
2. Personnel Qualifications & Experience
3. Project Experience
4. Proposal Understanding
5. Compatibility
6. Current Work Load
7. Past Performance

#### MINIMUM FIRM/PERSONNEL QUALIFICATIONS

### 1. Firm QUALIFICATIONS & EXPERIENCE

**ECM Consultants, Inc.** is a 100% minority-owned engineering, architectural, and construction management firm headquartered in Metairie, with a branch office in Baton Rouge. The company was incorporated under the laws of the State of Louisiana on August 31, 1995 and holds current licenses in Professional Engineering (No. 2003) and Construction Management (No. 31739). Within 24 years, the firm has provided professional services for over 880 various types of projects, serving local, state, and federal clientele.

ECM employs **60 full-time staff**, including a **staff of 34 in our Baton Rouge office**. Our personnel are highly qualified with extensive experience in construction inspection services for sewer and water systems; wastewater pump stations; wastewater treatment plant facilities; drainage; roadway construction; and pavement preservation for state and municipal projects throughout Louisiana.

Our staff's professional qualifications, integrity, reliability, and commitment to provide quality professional services has earned ECM an excellent reputation among our clients, with over 95% of our work for repeat clients.

ECM has over 20 years of experience providing construction management and inspection services for an array of projects in Louisiana. A few examples of recent projects that illustrate our firm's capabilities to provide construction inspection support include:

**Construction Inspection Support Annual Contract for SSO Program – City of Baton Rouge:** Since 2012, ECM has been providing construction inspection services under this contract for rehabilitation and improvement projects. Below is a list of projects by type:

#### Wastewater Treatment Plants

- Odor Control and Sodium Hydrochlorite
- General Electrical Rehabilitation
- Plant and Master SCADA
- Pretreatment and Grit Removal Rehabilitation
- Generator Installation
- Pump Replacement
- Trickling Filter Upgrade
- Landscape Buffer Area Project
- Sustainability Project
- South WWTP Wet Water Improvements (Phase II)
- Choctaw Storage and Pump Station Facilities
- Hooper Storage / Equalization Storage Facility

#### Pump Stations

- Florida Blvd Pump Station Improvements
- Hooper Road Pump Stations
- Multiple Pump Stations-Prescott Rd - Greenwell Springs Rd.
- Central Consolidated Pump Stations & Pump Station 42 Sewer Capacity
- Choctaw Storage and Pump Station Facilities
- Group 1B Metro Airport
- Little Farms Sewer Area Upgrades
- MPS Hwy 61 – Plank Rd
- Multiple Pump Stations-Highland Rd - Kenilworth
- O'Neal Lane Pump Stations Improvements
- Pump Station 58 Replacement

#### Pipeline, Gravity and Force Main

- Lovett Rd – Greenwell Springs
- Sherwood Forest - Goodwood Blvd. Pipeline
- Airline Highway Pipeline Group A
- Highland Road Pipeline Improvements Part A & C
- Joor Rd – Greenwell Springs
- O'Neal Lane Area Forcemain and Gravity Improvements "Pipeline"
- Plank Road – Port Hudson – Pride Road Sewer

## Area Upgrades

- South Forced Lower Basin (Highland-Burbank)
- Zachary Area Transimission Network Improvements Phase II
- Zachary Area Transmission Network Improvements Phase III

## Sewer Rehabilitation

- Ardenwood Drive / Winbourne Avenue Area Sewer Rehabilitation
- Acadian Thruway-Perkins Road Rehabilitation
- Annual Point Repair-Sewer Rehabilitation
- Annual Physical Inspection
- Brookstown Road/Evangeline Street Sewer Rehabilitation Project Phase II
- Scenic Highway - Spanish Town Road Area Sewer Rehabilitation Phase I
- Silverleaf Road/Ford Street Area Rehabilitation

## 2. Personnel Qualifications and Experience

ECM's personnel are highly experienced in providing construction inspection services for sewer-related projects. ECM has dedicated, full-time staff posied to perform construction inspection services for the CDBG Sewer Improvements Program. Briefly, their experience and qualifications include:

**Kazem Alikhani, P.E., Principal in Charge:** 37 years of experience in public works projects including planning, design and construction management.

**Chad Vosburg, P.E., Contract Manager:** 25 years of experience in construction and contract administration.

**David Waller, Lead Inspector:** 27 years of resident inspection and 7 years of leading inspection for \$900M Sewer Program.

**Chad Normand, Senior Inspector:** 22 years of experience in construction inspection. His specialty is electrical inspection of pump stations, standby generators, and SCADA projects.

**Kim Martinez, Senior Inspector:** 39 years of inspection experience. Her specialty is pavement restoration.

**Chris Bostic, Senior Inspector:** 13 years of professional experience. He monitors construction compliance and safety.

## 3. Project Experience

In addition to the projects listed in section 11 of this form, our experience includes:

### Analysis for SSO Program

Our team of inspectors analyzed and monitored how isolated upgrades affected the operation of existing unmodified portions of the sewer system. This information was used to optimize the system by smaller adjustments to SCADA controls, piping, etc. to improve overall system operation and connectivity.

**Construction Inspection for Highland Road – Burbank Drive Sewer Area Upgrades:** Project included the upsizing of forcemains. The upgrades were designed to alleviate chronic problems at the pump station and to increase capacity.

**Construction Inspection for Pump Station 42 Improvements:** Project included construction of a 40,000 gpm pump station facility, vapor phase biotower-type odor control, and associated yard piping and valves to pump the flow from PS1, PS59, and the LSU pump station to the South WWTP.

**Construction Inspection for South WWTP Wet Weather Improvements (Phase 2):** Project expands treatment capacity to accommodate the predicted peak flow of 200 mgd. The purpose of this project is to bring the plant in compliance with current discharge limits.

**Construction Inspection for Brookstown Road – Evangeline Street Area Rehabilitation Project (Phase 2):** Project involved rehabilitation of existing gravity sewer lines by open excavation and cured-in-place lining, manhole repair and replacement, and cleaning and televising of gravity sewer lines and manholes within the designated area.

**Construction Inspection for Choctaw Storage and Pump Station Facilities:** Project involved design and construction of a 26 mg storage facility, an overflow pump station and gravity trunk line overflow pump station and forcemains.

**Construction Management and Inspection Services for Hurricane-Related Restoration:** Project included construction management and inspection services for repairs to the water system at Central Yard and the Carrollton main water treatment plant.

#### 4. Proposal Understanding

It is our understanding that work under this contract will involve field inspection for construction and/or improvement projects for collection systems, wastewater pump stations, and wastewater treatment plant facilities under the CDBG Parish Sewer Program (Hillaryville, Darrow and Astroland). Part of this work will include the integration of existing facilities with new facilities to connect individual separate systems. The work may include observation and analysis of these separate portions of the system to connect to new sewer infrastructure or various existing components.

#### 5. Compatibility

Following a strategic evaluation of the Scope of Services, ECM will dedicate 18 Construction Inspectors and 2 Engineers to serve this contract, with an additional 9 inspectors and 2 Construction Engineers available to the Parish, should the scope of services prove more robust.

#### 6. Current Workload

ECM currently has no workload with Ascension Parish Government, nor have we been awarded a contract within the last 3 years.

#### 7. Past Performance

ECM has an excellent track record of providing engineering and construction administration services for all phases of projects across Louisiana, maintaining both schedules and budgets, and often working under tight deadlines. A few examples include:

- New 20" forcemain for the City of Kenner: **ECM's estimate was \$523,437.00 and the low bid was \$529,347.00, only \$90.00 lower.**
- ECM received an "**Exceptional**" performance rating for various Task Orders from US Army Corps of Engineers for the \$65 million (fees) A-E Construction Management Services IDIQ for the USACE New Orleans District. ECM provided Project Engineers, Construction Managers, **QA Inspectors, budget analyst and administrative personnel for 298 task orders.**
- Port of New Orleans Contract for Design and Resident inspection for improvement to various wharf sheds. We completed all projects on time to

the satisfaction of the PONO. **Additionally, Nashville Avenue Wharf Shed A (phase 3) was completed about 4 months ahead of schedule saving PONO over \$200,000.00 in resident inspection services**

We take pride in completing projects on-schedule and within budget, and as a result we have been rewarded with repeat contracts.

#### Minimum Qualifications

Minimum Qualification Requirement	Firm/Staff Meeting Requirement
<p>1. The Construction Management Firm must have a business license in the State of Louisiana for a minimum of 3 years. Interested firms must demonstrate a minimum of 10 years of experience in the provision of construction inspection services of municipal construction, including pipeline, civil, structural, electrical, mechanical, sewer wastewater and roadway construction and pavement restoration in the South Louisiana Area.</p>	<p>ECM Consultants, Inc. has <b>24 years</b> of experience in construction inspection.</p> <p><b>ECM was licensed in 1995</b> and is currently registered to do business in Louisiana.</p> <p>License No. 2003) (Engineering)</p> <p>License No. 0173 (Architect/Engineering)</p> <p>License No. 31739 (Construction Management)</p>
<p>2. Construction Inspector must have 7 years of construction inspection services experience, ability to read and comprehend engineering drawings and specifications, ability to document observations, serve as a liason, work independently, have written and oral communication skills, ability to remain calm under stress or when encountering aggressive behavior, and three references.</p>	<p>David Waller: 27 years Bob Tate: 36 years Mansoor Bajwa: 24 years Chris Bostic 13 years Chad Normand: 22 years Kim Martinez: 39 years Glenn Eggert: 24 years Emilio Rodriguez: 29 years Mark Sanchez: 38 years Andre Savoie: 7 years Anatole Hammer: 23 years Robert Brown: 25 years Matthew Sigler: 24 years Jonathan Lofton: 10 years</p>

*Corporate Resolution*

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***ECM Consultants, Inc.***

## RESOLUTION

BE IT RESOLVED by the Board of Directors of **ECM Consultants, Inc.**,

A Corporation organized and existing under the laws of the State of Louisiana, and domiciled in the City of **Metairie**, that **Ujjal DasGupta, President** of the Corporation and /or **Kazem Alikhani, Chief Executive Officer** of the Corporation, be, and are hereby authorized and Empowered to execute any and all contracts of whatever kind on behalf of the Corporation for Engineering Consulting Services for **ECM Consultants, Inc.**

## CERTIFICATE

I, **Kabita DasGupta**, Secretary of ECM Consultants, Inc. do hereby certify that the foregoing Resolution is a true and exact copy unanimously adopted by the Board of Directors of said Corporation at a meeting thereof legally held on the 19<sup>th</sup> day of June 2019; that said resolution is duly entered into the records of said corporation; that it has not been rescinded or modified; and that it is now in full force and effect. **IN TESTIMONY WHEREOF**, I have hereunto set my hand and the seal of said corporation this 25<sup>th</sup> day of June 2019.

Kabita Dasgupta, Secretary

Kabita DasGupta

***Certification Statement***

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***ECM Consultants, Inc.***

# PARISH OF ASCENSION

## UTILITIES DEPARTMENT



Kenny Matassa  
Parish President

### CERTIFICATION STATEMENT

The undersigned hereby acknowledges she/he has read and understands all requirements and specifications of the Request for Qualifications (RFQ), including exhibits.

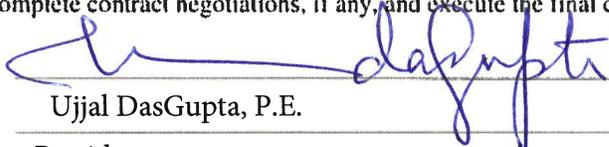
**OFFICIAL CONTACT.** The Parish requests that the Proposer designate one person to receive all documents and the method in which the documents are best delivered. Identify the Contact name and fill in the information below: (Print Clearly)

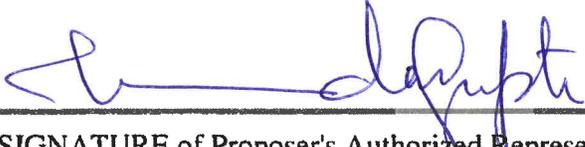
Date 6/26/2019 Official Contact Name: Ujjal DasGupta, P.E.  
A. E-mail Address: ujjal@ecmconsultants.com  
B. Facsimile Number with area code: ( 504 ) 885-1439  
C. US Mail Address: 4409 Utica Street, Suite 200, Metairie, LA 70006

Proposer certifies that the above information is true and grants permission to the Parish or Agencies to contact the above named person or otherwise verify the information provided.

By its submission of this proposal and authorized signature below, Proposer certifies that:

1. The information contained in its response to this RFQ is accurate;
2. Proposer complies with each of the mandatory requirements listed in the RFQ and will meet or exceed the functional and technical requirements specified therein;
3. Proposer accepts the procedures, evaluation criteria, mandatory contract terms and conditions, and all other administrative requirements set forth in this RFQ.
4. Proposer's quote is valid for at least 90 days from the date of proposal's signature below;
5. Proposer understands that if selected as the successful Proposer, he/she will have 30 business days from the date of delivery of final contract in which to complete contract negotiations, if any, and execute the final contract document.

Authorized Signature:   
Typed or Printed Name: Ujjal DasGupta, P.E.  
Title: President  
Company Name: ECM Consultants, Inc.  
Address: 4409 Utica Street, Suite 200  
City: Metairie State: LA Zip: 70006

  
SIGNATURE of Proposer's Authorized Representative

06/26/2019  
DATE

***ECM Consultants, Inc.***

4409 Utica Street, Suite 200, Metairie, Louisiana 70006

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