

Attachment 2-1: Key Personnel and Required Personnel

Table 1: Key Personnel

<i>Position</i>	<i>Role</i>	<i>Minimum Qualifications</i>	<i>Commitment</i>
Lead Contractor PM (CPM)	Responsible for management of the design and construction for the Project (with primary responsibility for Project permitting and schedule). Serves as the single point of contact for all contract administration and correspondence with GDOT. May not hold any other position.	A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project.	<ul style="list-style-type: none"> Full-Time On-Call from NTP1 to Final Acceptance
Lead Design Consultant PM (DPM)	Responsible for oversight of all necessary design-related work and permitting throughout the term of the Project. May also be the EOR.	A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project. Licensed as a Professional Engineer (PE) in Georgia.	<ul style="list-style-type: none"> Full-Time from NTP1 until NTP3, then Part-Time to perform their duties until Final Acceptance
Engineer of Record (EOR)	Responsible for the supervision and quality of all design Work and design process throughout the Term, with primary responsibility for accuracy, adequacy, and conformance of the Work (as defined in the Design-Build Documents) to the Technical Provisions, professional standards of practice, and other applicable standards, specifications, or criteria, including conformance of the constructed Project to the design). May also be the Lead Design Consultant PM.	A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project. Licensed as a Professional Engineer (PE) in Georgia.	<ul style="list-style-type: none"> Full-Time from NTP1 until NTP3, then Part-Time to perform their duties until Final Acceptance
Quality Control Manager (QCM)	Responsible for the quality control of the overall Project, specifically integrating the required quality control activities into the planning and execution of the Work in coordination with the DQCM and CQCM. Must be capable of answering question/inquiries relating to design and construction Work. May not hold any other position except for DQCM or CQCM but can not hold all three positions.	A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project.	<ul style="list-style-type: none"> Full-Time from NTP 1 until Substantial Completion, then Part-Time to perform their duties until Final Acceptance

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Superintendent	<p>Responsible for overseeing the day to day construction operations, including Quality Control, for the Design-Builder with primary responsibility for construction supervision, construction scheduling, and adherence to design and construction specifications, standards, and requirements (including specifically):</p> <ul style="list-style-type: none"> • Project safety; • Environmental compliance; • Utility relocation; • Erosion and sediment control; and • Maintenance of traffic. <p>May not hold any other position.</p>	<p>A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project.</p>	<ul style="list-style-type: none"> • Full-Time from NTP 3 until Substantial Completion, then Part-time to perform their duties until Final Acceptance
Traffic Control Manager (TCM)	<p>Prepare, implement, monitor, and maintain the Transportation Management Plan (TMP).</p> <p>Supervise the implementation and maintenance of traffic management strategies including the planning and implementation of TIRs detailed in TP <u>Attachment 18-3</u> (Traffic Interruption Report).</p> <p>Coordinate with the construction Project team to ensure traffic control activities support the planned Work activities.</p> <p>Supervise the activities of the WTCS.</p>	<p>A minimum of 10 years' industry experience and at least three years' experience in the same or similar role for projects of similar size and complexity as the Project.</p> <p>Licensed as a Professional Engineer (PE) in Georgia with relevant experience overseeing the development and implementation of a traffic management plan and implementation of temporary traffic control plans on highway projects similar in size and scope as this Project.</p>	<ul style="list-style-type: none"> • Full-Time On-Call upon NTP1 through Final acceptance.

Table 2: Required Personnel

Position	Role	Minimum Qualifications	Commitment
DBE Manager	Responsible for ensuring Design-Builder compliance with the requirements in DBA <u>Exhibit 14</u> (DBE Requirements).	At least five years of relevant experience developing and overseeing DBE plans and requirements.	<ul style="list-style-type: none"> Part-Time to meet the requirements upon NTP1 until Final Acceptance.
Project Scheduler	Responsible for developing, assembling, updating, maintaining, and reporting on the Project Schedule as set out in TP <u>Section 2.4</u> (Project Schedule and Schedule of Values).	At least five years of experience developing, creating, managing, and reporting on schedules for projects of similar size, type, and complexity to this Project and proficient in the designated scheduling software system.	<ul style="list-style-type: none"> Part-Time to meet the requirements upon NTP1 until Final Acceptance.
PMCS Coordinator	Responsible for being the internal point of contact for coordinating the Design-Builder's use of the PMCS as set out in TP <u>Section 2.5</u> (Project Management Controls System). Responsible to ensure all electronic documents are properly uploaded in PMCS in a timely manner. Position considered an administrative function.	At least one year of relevant experience and proficient in the designated software system.	<ul style="list-style-type: none"> Full-Time upon NTP1 until Substantial Completion and then Part-Time until Final Acceptance. May have other administrative duties.
Public Information Coordinator (PIC)	Lead communications and public information efforts for the Design-Builder and serve as primary point of contact with GDOT. Refer to TP <u>Attachment 2-3</u> (Public Information and Communications) for additional information and requirements.	N/A	<ul style="list-style-type: none"> Part-Time to meet the requirements upon NTP1 until Final Acceptance.
Safety Manager	Responsible for the development of the Safety Plan and the enforcement of safety and health policies, procedures, and work practices. Refer to TP <u>Section 2.7</u> (Safety) for additional information.	At least five years of relevant safety management experience, and OSHA 100 certification.	<ul style="list-style-type: none"> Full-Time upon NTP3 until Substantial Completion and then Part-Time until Final Acceptance. May have other administrative duties.

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Design Quality Control Manager (DQCM)	Responsible for the development and implementation of the DQMP, meeting the requirements in TP <u>Section 3</u> (Design-Build Quality Program), and supervision of the associated quality control personnel.	Recent experience in the management of a quality management program of similar size and complexity as the Project.	<ul style="list-style-type: none"> • Full-Time upon NTP1, during design production, and then Part-Time during construction until Final Acceptance.
Construction Quality Control Manager (CQCM)	Responsible for the development and implementation of the CQMP, meeting the requirements in TP <u>Section 3</u> (Design-Build Quality Program), and supervision of the associated quality control personnel.	Recent experience in the management of a quality management program of similar size and complexity as the Project.	<ul style="list-style-type: none"> • Full-Time upon NTP2 until Substantial Completion, then Part-Time until Final Acceptance.
Environmental Compliance Manager (ECM)	<p>The ECM shall be responsible for overall environmental compliance for the Project. The ECM shall monitor, document, report the status of environmental compliance and verify monthly reporting requirements for the Project. The ECM shall report and coordinate all issues directly with GDOT and the PM. The ECM shall not report directly to personnel having production responsibilities within the design or D&C Contractor organizations. The ECM shall have the authority to stop Work.</p> <p>The ECM shall report immediately to GDOT and the Design-Builder any violation in Environmental Law or environmental Noncompliance Event and shall include, with any such report, the appropriate recommendations for corrective action.</p> <p>Refer to TP <u>Section 5.2.2.1</u> (Environmental Compliance Manager).</p> <p>May not be the EOR.</p> <p>Can't be the EOR; verify monthly reporting requirements</p>	<p>At least 5 years' experience managing environmental compliance of similar scope and complexity to the Project.</p> <p>The individual shall have implemented a CEPP with environmental mitigation plan and personal protection training.</p> <p>The individual shall have developed and managed a storm water pollution prevention plan consistent with the NPDES Construction General Permit (GAR1000002).</p> <p>The individual shall have developed and managed a hazardous substance and petroleum products management plan consistent with ASTM E 1527-05, Standard Practice for Environmental Site Assessment Process.</p> <p>The individual shall have monitored compliance with Section 404 Permit conditions</p>	<ul style="list-style-type: none"> • Part-Time to meet the requirements upon NTP1 until Final Acceptance.

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Worksite Erosion Control Supervisor (WECS)	Responsible for the oversight of initiation, installation, maintenance, inspection, and condition reporting of all erosion control devices. Refer to TP <u>Section 5.2.2.2</u> (Worksite Erosion Control Supervisor) for additional information.	Has at least one year of experience in erosion and sediment control, including the installation, inspection, maintenance and reporting of BMPs. Has successfully completed the Georgia Soil and Water Conservation Commission Certification Course Level IA and GDOT's WECS Certification Course.	<ul style="list-style-type: none"> • Full-Time upon NTP3 to Substantial Completion then as needed until Final Acceptance.
NEPA Specialist	Provide expertise in Environmental Laws, regulations, and policies during the Work, lead environmental inputs (duration, logic linkages, etc.) into the Design-Builder's Project Schedule, and address environmental justice (EJ) issues related to the Project.	Meets the certification requirement of GDOT's <i>Consultant Prequalification Manual</i> , Section VII Transportation Planning Area Class 1.06(a) NEPA Documentation.	<ul style="list-style-type: none"> • Part-Time upon NTP1 until Final Acceptance.
History Specialist	Provide expertise in NHPA Section 106 laws, regulations, and policies as it pertains to historic resources. Provide expertise in monitoring impacts to historic resources during the course of the Work.	Meets the certification requirement of GDOT's <i>Consultant Prequalification Manual</i> , Section VII Transportation Planning Area Class 1.06(b) History. Cultural Resource Management Personnel must meet professional standards under regulations developed by the Secretary of the Interior, found at http://www.nps.gov/history/local-law/Prof_Qual_83.htm .	<ul style="list-style-type: none"> • Part-Time upon NTP1 until Final Acceptance.

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Archaeology Specialist	Provide expertise in NHPA Section 106 laws, regulations, and policies as it pertains to archaeological resources. Provide expertise in monitoring impacts to archaeological resources during the course of the Work.	Meets the certification requirement of GDOT's Consultant Prequalification Manual, Section VII Transportation Planning Area Class 1.06(f) Archaeology. Cultural Resource Management Personnel must meet professional standards under regulations developed by the Secretary of the Interior, found at http://www.nps.gov/history/local-law/Prof_Qual_83.htm .	<ul style="list-style-type: none"> Part-Time upon NTP1 until Final Acceptance.
Water Quality Specialist	Provide expertise in permitting (USACE Section 404 and GA EPD Buffer Variance), state and federal waters delineations, storm water pollution prevention, and the protection of jurisdictional state and federal waters.	Provide expertise in permitting (USACE Section 404 and GA EPD Buffer Variance), state and federal waters delineations, storm water pollution prevention, and the protection of jurisdictional state and federal waters. Meets the certification requirements of GDOT's Consultant Prequalification Manual, Section VII Transportation Planning Area Classes 1.06(e) (Ecology). Meets the certification requirements of GDOT's Consultant Prequalification Manual, Section VII Transportation Planning Area Classes 1.06(e) (Ecology).	<ul style="list-style-type: none"> Part-Time upon NTP1 until Final Acceptance.
Noise Specialist	Provide expertise for noise studies. Refer to TP Section 5.4 (Noise Barriers) for more information.	Meets the certification requirement of GDOT's <i>Consultant Prequalification Manual</i> , Section VII Transportation Planning Area Class 1.06(d) (Noise Studies)	<ul style="list-style-type: none"> Part-Time upon NTP1 until Final Acceptance.

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Hazardous Materials Manager	<p>Provide expertise in the safe handling of Hazardous Materials required to perform the Work and those that may be discovered/impacted during the Term.</p> <p>Schedule and/or conduct training for the Design-Builder's employees.</p> <p>Verify all employee certifications prior to and required for any handling of Hazardous Materials.</p> <p>Maintain records of all Incidents involving Hazardous Materials and notify the ECM, GDOT, and appropriate authorities in writing of any such Incidents.</p>	<p>Meets the certification requirements of GDOT Soils, Foundation and Material Testing, Hazardous Waste Site Assessment Studies 6.05</p> <p>Is a qualified professional with 40 hours of HAZWOPER certification.</p> <p>Has at least five years of experience on projects of similar scope and complexity to the Project in the following areas:</p> <ul style="list-style-type: none"> • Development of investigative work plans, site investigation reports, and remedial action plans or equivalent reports necessary and acceptable to the EPA in material discovery and remediation efforts of Hazardous Materials. • Investigation and remediation of Hazardous Materials following GDOT Environmental Procedures Manual guidelines. 	<ul style="list-style-type: none"> • Part-Time upon NTP1 until Final Acceptance.
ROW Project Manager	<p>The ROW Project Manager is responsible for supervision of Acquisition Services.</p>	<p>Verifiable experience with the GDOT ROW Manual in regard to performing project management and oversight of all Acquisition Services.</p> <p>Service Class D-1 (R/W Project Manager) of GDOT ROW Pre-Qualification Application</p>	<ul style="list-style-type: none"> • Part-Time to meet requirements of the Design-Build Documents.

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ROW Acquisition Manager	The ROW Acquisition Manager oversees all aspects of TP Section 6.4 (Parcel Acquisition Services).	Verifiable experience with the GDOT ROW Manual in regard to Performing Parcel Acquisition Services. Service Class D-3 (Acquisition Manager) of GDOT ROW Pre-Qualification Application.	<ul style="list-style-type: none"> Part-Time to meet requirements of the Design-Build Documents.
Utility Manager (UM)	The UM shall manage all obligations of the Design-Builder with respect to Utility Adjustments such as financial arrangements with Utility Owners and technical requirements.	The UM shall have at least four years of relevant experience in coordinating Utility Adjustments on projects of similar complexity, size, and scope	<ul style="list-style-type: none"> Full-Time upon NTP1 until completion of all Utility Adjustment Work
Utility Design Coordinator (UDC)	The UDC shall be responsible for coordinating the Utility Adjustment design with the overall Project design features.	The UDC shall have at least four years of relevant experience in coordinating Utility Adjustments on projects of similar complexity, size, and scope	<ul style="list-style-type: none"> Full-Time upon NTP1 until completion of all Utility Adjustment Work.
Worksite Utility Coordination Supervisor (WUCS)	The WUCS shall be responsible for initiating and conducting Utility Coordination Meetings, accurately recording and reporting the progress of Utility Adjustments, ensuring contact with www.georgia811.com and that requirements have been met, and preparing the EURP.	Shall have at least four years of relevant experience in coordinating complex Utility Adjustments on highway improvement projects of similar complexity, size, scope, and delivery method to the Project. Shall have a complete understanding of the Georgia Utilities protection Center operation and shall be knowledgeable of the High-Voltage Safety Act and Trained on the GUFPA (Georgia Utility Facility Protection Act).	<ul style="list-style-type: none"> Full-Time upon NTP1 until Substantial Completion.

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Emergency Utility Coordinator (EUC)	<p>The EUC is responsible notifying the appropriate Utility Owner and/or Utility Owner's subcontractor in case of an Emergency.</p> <p>May be the UM.</p>	<p>Shall have at least four years of relevant experience in coordinating complex Utility Adjustments on highway improvement projects of similar complexity, size, scope, and delivery method to the Project.</p> <p>This responsibility may be assigned to another Person on the Required Personnel list if they meet the minimum qualifications.</p>	<ul style="list-style-type: none"> Part-Time upon NTP1.
ITS Construction Manager	Oversight of ITS infrastructure Construction Work.	Minimum of 10 years of experience in ITS.	<ul style="list-style-type: none"> Part-Time from NTP3 through Final Acceptance.
Worksite Traffic Control Supervisor(s) (WTCS)	<p>Oversee installation and maintenance, and continuously monitor and inspect daily all traffic control devices under the supervision of the TCM and as specified in TP Attachment 18-1 (Temporary Traffic Control).</p> <p>Notify the TCM when traffic control is causing unanticipated impacts to the Level of Service of the roadway.</p> <p>Ensure staffing for traffic control implementation is adequate at each location.</p>	<p>Hold an unexpired certificate issued by the American Traffic Safety Services Association (ATSSA) Work Site Traffic Supervisor Certification Program or the National Safety Council Certification Program.</p>	<ul style="list-style-type: none"> Full-Time upon NTP3 through Substantial Completion then Part-Time until Final Acceptance. Must be local and available to visit the Site within two hours after notice. May have other administrative duties.