

# Statement of Qualifications

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## Engineering Design Services

RFQ 484-101713 | Bridge Replacment on  
CR 66 - Blackhall Road @ Rum Creek | Henry County  
Project/Contract #2 | 0011691

## Georgia Department of Transportation

**Proposer: CHA Consulting, Inc.**  
October 24, 2013





# A. Administrative Requirements

## A1. Basic Company Information

| CHA CONSULTING, INC.                          |   | www.chacompanies.com |
|---|---|----------------------|
| Georgia Office:                               | 270 Peachtree Street NW, Suite 1500, Atlanta, GA 30303-1283<br>Phone: (678) 954-5000 • Fax: (678) 954-5001 • www.chacompanies.com                           |                      |
| Parent Company:                               | III Winners Circle, Albany, NY 12205<br>Phone: (518) 453-4500 • Fax: (518) 458-1735   |                      |
| Form of Ownership and State of Incorporation: | Corporation; Incorporated in the State of New York;<br>63 Years in Business   |                      |
| Number of Employees /Offices:                 | 1,450 Plus Employees / 53 Offices<br>37 Employees / Atlanta Office  |                      |
| Primary Proposing Contact:                    | Thomas P. Karis, PE, Vice President<br>Phone   678-954-5000 x245; Cell   404-556-6692; <a href="mailto:tkaris@chacompanies.com">tkaris@chacompanies.com</a> |                      |

| Personnel by Discipline (Atlanta Office) |                             |                         |                             |
|--|-----------------------------|-------------------------|-----------------------------|
| 5- Administrative                        | 1- Construction Inspector   | 0- Geologists           | 2- Planners: Urban/Regional |
| 0- Airport Engineers                     | 8- Cost Engineer/Estimator  | 0- Hydrologists         | 0- Sanitary Engineers       |
| 0- Architects                            | 2- Electrical Engineers     | 1- Industrial Engineers | 0- Soils Engineers          |
| 0- Aviation Planners                     | 1- Environmental Engineers  | 0- IT Professional      | 1- Structural Engineers     |
| 2- CADD Technician                       | 0- Environmental Scientist  | 0- Land Surveyor        | 0- Technician/Analyst       |
| 0- Chemical Engineers                    | 0- Environmental Specialist | 2- Landscape Architects | 6- Transportation Engineers |
| 2- Civil Engineers                       | 0- Geotechnical Engineers   | 1- Materials Engineer   | 1- Specifications Writers   |
| 0- Communications Engineer               | 0- GIS Specialist           | 2- Mechanical Engineers | <b>37- Total Personnel</b>  |

**EXHIBIT II  
CERTIFICATION FORM**

I, Thomas P. Karis, being duly sworn, state that I am Vice President (title) of \_\_\_\_\_

CHA Consulting, Inc. (firm) and hereby duly certify that I have read and understand the information presented in the attached proposal and any enclosure and exhibits thereto.

Initial each box below indicating certification. The person initialing must be the same person who signs the Certification Form. (If unable to initial any box for any reason, place an "X" in the applicable box and attach a statement explaining the non-certification. The Department will review and make a determination as to whether or not the firm shall be considered further or disqualified).

I further certify that to the best of my knowledge the information given in response to the Request for Qualifications is full, complete and truthful.

I further certify that the submitting firm and any principal employee of the submitting firm has not, in the immediately preceding five (5) years, been convicted of any crime of moral turpitude or any felony offense, nor has had their professional license suspended, revoked or been subjected to disciplinary proceedings, nor is any team members/principals currently under indictment for any reason related to actions on public infrastructure projects.

I further certify that I understand that Firms included on the current Federal list of firms suspended or debarred are not eligible for selection and that the submitting firm has not, in the immediately preceding five (5) years, been suspended or debarred from contracting with any federal, state or local government agency, and further, that the submitting firm is not now under consideration for suspension or debarment from any such agency.

I further certify that the submitting firm has not in the immediately preceding five (5) years been defaulted in any federal, state or local government agency contract and further, that the submitting firm is not now under any notice of intent to default on any such contract, nor has been removed from a contract or failed to complete a contract as assigned due to cause or default.

I further certify that the firm or any affiliate(s) has not been involved in any arbitration, litigation, mediation, dispute review board or other dispute resolution proceeding with a client, business partner, or government agency in the last five years involving an amount in excess of \$500,000 related to performance on public infrastructure projects.

I further certify that there are not any pending regulatory inquiries that could impact our ability to provide services if we are the selected consultant.

I further certify that there are no possible conflicts of interest created by our consideration in the selection process or by our involvement in the project.

I further certify that the submitting firm's annual average revenue for the past five (5) years is sufficient to allow the services to be delivered effectively by our firm and that there are no trends in the revenue which may be concerning other than normal market fluctuations.

I further certify that in regards to Audit and Accounting System Requirements, that the submitting firm:

- I. Has an accounting system in place to meet requirements of 48 CFR Part 31 and, in the case of non-profit organizations, OMB Circular A-122.
- II. Has submitted its yearly Certified Public Accountant overhead audit if it currently has an aggregate contract amount exceeding \$250,000.
- III. Has no significant outstanding deficient audit findings from previous contracts with GDOT that have not been resolved.
- IV. Is responsible for being reasonably assured that all sub-consultant(s) presented as a part of the proposed team are similarly in compliance with the above requirements.

I acknowledge, agree and authorize, and certify that the proposer acknowledges, agrees and authorizes, that GDOT may, by means that either deems appropriate, determine the accuracy and truth of the information provided by the proposer and that the GDOT may contact any individual or entity named in the Statement of Qualifications for the purpose of verifying the information supplied therein.

I acknowledge and agree that all of the information contained in the Statement of Qualifications is submitted for the express purpose of inducing the GDOT to award a contract.

*A material false statement or omission made in conjunction with this proposal is sufficient cause for suspension or debarment from further contracts, or denial or rescission of any contract entered into based upon this proposal thereby precluding the firm from doing business with, or performing work for, the State of Georgia. In addition, such false statement or omission may subject the person and entity making the proposal to criminal prosecution under the laws of the State of Georgia of the United States, including but not limited to O.C.G.A. §16-10-20, 18 U.S.C. §§1001 or 1341.*

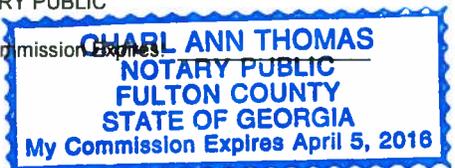
Sworn and subscribed before me

This 23 day of Oct, 2013

*Charl Ann Thomas*  
NOTARY PUBLIC

*Thomas P. Karis*  
Signature

My Commission Expires



NOTARY SEAL

EXHIBIT III

GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT

Solicitation No. : RFQ-484-101713

Solicitation Name: Engineering Design Services

Respondent's Name: CHA Consulting, Inc.

STATE OF GEORGIA  
CONSULTANT AFFIDAVIT

By executing this affidavit, the undersigned Consultant verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the individual, firm, or corporation which is contracting with the Georgia Department of Transportation has registered with, is authorized to participate in, and is participating in the federal work authorization program commonly known as E-Verify,\* in accordance with the applicable provisions and deadlines established in O.C.G.A. 13-10-91.

The undersigned Consultant further agrees that it will continue to use the federal work authorization program throughout the contract period and, should it employ or contract with any subconsultant(s) in connection with the physical performance of services pursuant to this contract with the Georgia Department of Transportation, Consultant will secure from such subconsultant(s) similar verification of compliance with O.C.G.A. § 13-10-91 on the Subconsultant Affidavit provided in Rule 300-10-01-.08 or a substantially similar form. Consultant further agrees to maintain records of such compliance and provide a copy of each such verification to the Georgia Department of Transportation at the time the subconsultant(s) is retained to perform such service.

130989  
EEV / E-Verify™ User Identification Number  
*[Signature]*  
BY: Authorized Officer or Agent  
(Contractor Name) CHA Consulting, inc.

6/24/2008  
Date of Authorization  
10/22/2013  
Date

Vice President  
Title of Authorized Officer or Agent of Consultant  
Thomas P. Karis, PE  
Printed Name of Authorized Officer or Agent

SUBSCRIBED AND SWORN  
BEFORE ME ON THIS THE

22 DAY OF October, 2013  
*[Signature]*  
Notary Public

[NOTARY SEAL]

My Commission Expires: CHARL ANN THOMAS  
NOTARY PUBLIC  
FULTON COUNTY  
STATE OF GEORGIA  
My Commission Expires April 5, 2018

\*or any subsequent replacement operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603.

**ADDENDUM NO. 1**

**ISSUE DATE: September 30, 2013**

This Addendum shall become and form a part of the RFQ for:

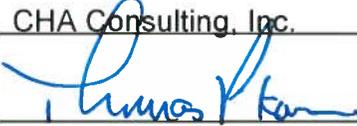
**RFQ 484-101713: Engineering Design Services, Contracts 1-7**

Note please review carefully!

In the event of a conflict between previously released information and the information contained herein, the latter shall control.

**NOTE: A signed acknowledgment of this addendum (this page) MUST be attached to your PROPOSAL**

Firm Name CHA Consulting, Inc.

Signature  Date 10/22/2013

Typed Name and Title Thomas P. Karis, VP | Vice President

Georgia Department of Transportation (GDOT)  
Office of Transportation Services Procurement  
One Georgia Center  
600 West Peachtree Street, NW  
19<sup>th</sup> Floor  
Atlanta, Georgia 30308

This Addendum, including all questions and answers, shall become and form a part of the original RFQ package and shall be taken into account when preparing your proposal.

**The purpose of this addendum is to provide answers to the written questions received during the question and answer period of the RFQ Phase as follows:**

|    | Questions   | Answers   |
|----|---|---|
| 1. | Please confirm that the <b>Prime Consultant</b> must be prequalified for <b>Area Class 3.04 – Multi-Lane Rural Interstate Limited Access Design</b> for Project/Contract #4 PI No. 262027 – Laurens County – SR31/US 441.                                     | Yes, the Prime Consultant must be prequalified for <b>Area Class 3.04 – Multi-Lane Rural Interstate Limited Access Design</b> for Project/Contract 4, P.I. No. 262027 – Laurens County – SR 31/US 441 as shown in the RFQ on page 24. |
| 2. | For Contract No. RFQ-484-101713, on page 6 of the RFP, section B.1.c.:<br>Relevant engineering experience for the Project Manager, can you please clarify if there is a limitation regarding the number of projects that can be listed under this subsection? | Yes, there is a limitation. Please reference the RFQ, page 6, VI.B.d.   |

**ADDENDUM NO. 2**

**ISSUE DATE: October 9, 2013**

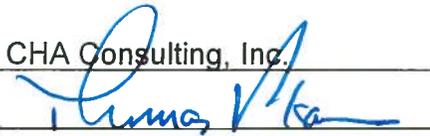
This Addendum shall become and form a part of the RFQ for:

**RFQ 484-101713: Engineering Design Services, Contracts 1-7**

**NOTE: PLEASE REVIEW CAREFULLY!**

In the event of a conflict between previously released information and the information contained herein, the latter shall control.

**NOTE: A signed acknowledgment of this addendum (this page) MUST be attached to your SUBMITTAL**

Firm Name CHA Consulting, Inc.  
Signature  Date 10/22/2013  
Typed Name and Title Thomas P. Karis, PE | Vice President

Georgia Department of Transportation (GDOT)  
Office of Transportation Services Procurement  
One Georgia Center  
600 West Peachtree Street, NW  
19<sup>th</sup> Floor  
Atlanta, Georgia 30308

This Addendum, including all articles and corrections listed below, shall become and form a part of the original RFQ package and shall be taken into account in preparing your proposal for Phase I.

**The above-numbered RFQ is amended as set forth below:**

I. **III. Schedule of Events is DELETED and REPLACED with the following:**

**III. Schedule of Events**

The following Schedule of Events represents GDOT's best estimate of the Schedule that will be followed. All times indicated are prevailing times in Atlanta, Georgia. GDOT reserves the right to adjust the Schedule as GDOT deems necessary. To Be Determined (TBD).

| PHASE I  | DATE       | TIME    |
|--|------------|---------|
| a. GDOT issues public advertisement of <b>RFQ-484-101713</b>                                 | 9/16/2013  | -----   |
| b. Deadline for submission of written questions and requests for clarification               | 9/30/2013  | 2:00 PM |
| c. Deadline for submission of Statements of Qualifications                                   | 10/24/2013 | 2:00 PM |
| d. GDOT completes evaluation and issues notification and other information to finalist firms | TBD        |         |
| PHASE II   |            |         |
| e. Deadline for submission of written questions from finalists                               | TBD        | 2:00 PM |
| f. Phase II Response of Finalist firms due   | TBD        | TBD     |

**ADDENDUM NO. 3**

**ISSUE DATE: October 18, 2013**

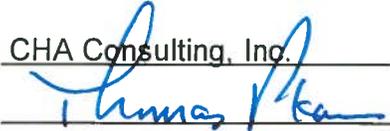
This Addendum shall become and form a part of the RFQ for:

**RFQ 484-101713: Engineering Design Services, Contracts 1-7**

**NOTE: PLEASE REVIEW CAREFULLY!**

In the event of a conflict between previously released information and the information contained herein, the latter shall control.

**NOTE: A signed acknowledgment of this addendum (this page) MUST be attached to your SUBMITTAL**

Firm Name CHA Consulting, Inc.  
Signature  Date 10/22/2013  
Typed Name and Title Thomas P. Karis, PE | Vice President

Georgia Department of Transportation (GDOT)  
Office of Transportation Services Procurement  
One Georgia Center  
600 West Peachtree Street, NW  
19<sup>th</sup> Floor  
Atlanta, Georgia 30308

This Addendum, including all articles and corrections listed below, shall become and form a part of the original RFQ package and shall be taken into account in preparing your proposal for Phase I.

**The above-numbered RFQ is amended as set forth below:**

I. **Section II., entitled Selection Method is DELETED and REPLACED with the following:**

**II. Selection Method**

**A. Method of Communication**

All general communication of relevant information regarding this solicitation will be made via the Georgia Procurement Registry (GPR) under RFQ-484-101713, Engineering Design Services. All firms are responsible for checking the GPR on a regular basis for updates, clarifications, and announcements. GDOT reserves the right to communicate via electronic-mail with the primary contact listed in the Statements of Qualifications. Other specific communications will be made as indicated in the remainder of this RFQ.

**B. Phase I - Selection of Finalists**

Based on the Statements of Qualifications submitted in response to the projects/contracts listed in this RFQ, the Selection Committee will review the **Experience and Qualifications and Resources and Workload Capacity** listed in **Section IV. Selection Criteria for Phase I**. The Selection Committee will discuss the top submittals and the final rankings of the top submittals will be determined. From the final rankings of the top submittals, the Selection Committee will identify three (3) to five (5) firms which will be shortlisted.

All firms must meet the minimum requirements as listed in **Section IV.A.** below.

## B. Experience and Qualifications

### B1 – PROJECT MANAGER

**Thomas Karis, PE**  
Project Manager

**Education**

Clarkson University, NY/B.S./Civil  
Engineering/1986

**Professional Registration**

PE - GA, MA, VA, VT, SC, PA, NY,  
FL, NH, NC, ME, TX, CT, OK

Tom Karis is a veteran Project Manager with 27 years of transportation infrastructure design, construction and management experience. Beginning his professional career with CHA in 1986 as a field engineer on a major Interstate interchange construction project, Tom has advanced to his current position as a Vice President and veteran Project Manager through his pragmatic approach to problem solving and his decision-making capabilities. His entire career has been with CHA, and he has been involved with, or directly responsible for all types of transportation projects encompassing everything from field supervision to design development and delivery, including constructability reviews, special studies, task forces, forensic engineering and expert opinion, and technical publications and presentations. Tom has extensive knowledge of federal policies and procedures and their application to state and local transportation initiatives. He is “hands-on”, well organized, and detail oriented. As a veteran Project Manager, he knows the importance of, and is committed to, ensuring our team responds with the needed resources, experience and expertise. Tom provides GDOT with a framework of transportation planning, design and construction knowledge founded on a thorough understanding of the GDOT PDP, Environmental Procedures Manual and NEPA processes. His most recent and relevant project focus has been committed to GDOT and to opportunities with municipalities throughout north and central Georgia.

**Particularly relevant to this bridge replacement opportunity are the first two projects listed below which were managed by Tom for GDOT and Coweta County. Both of these District 3 projects were off-system bridge replacements accelerated through GDOT PDP design development, NEPA processing and approval, and construction letting under the American Recovery and Reinvestment Act as “Stimulus Projects”. Each one received *Concept Report Evaluation by GDOT Ratings of 100 (highest scores possible) in each of the following categories: Presentation, Judgment, Environmental, Right of Way, Utility, Constructability, Schedule (Minor Rural Bridge Replacement).***

#### **Project Manager | Off-System Bridge Replacement over a FEMA-studied Stream PROJECT NO. 1**

**CR 130 (Cannon Road) Bridge Replacement over White Oak Creek Concept Design through Final Design NEPA Categorical Exclusion; American Recovery and Reinvestment Act “Stimulus Project”**  
**GDOT PI 0006957 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**  
CHA satisfied all GDOT PDP, NEPA and agency permitting requirements for this locally-sponsored, off-system bridge replacement. Tom managed the environmental processing and design development of the 264 ft long replacement bridge which was processed through NEPA as a CE. An endangered minnow species was identified during the aquatic survey, requiring that CHA work closely with GDOT OES to avoid impacts during construction by clear-spanning the stream channel with a new bridge consisting of three 88 ft PSC spans on concrete piers with drilled shaft foundations. The project complied with the applicable state and federal agencies and regulations involving coordination with FEMA, USACOE, EPD, OES, FHWA, and DNR. GDOT Let the project and construction was completed in 2011.

#### **Project Manager | Off-System Priority Bridge Replacement over a Class I Freight Railroad PROJECT NO. 2**

**CR 41 (Greentop Road) Bridge Replacement over CSX Railroad Concept Design through Final Design NEPA Categorical Exclusion; American Recovery and Reinvestment Act “Stimulus Project”**  
**GDOT PI 0006956 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**  
CHA satisfied all GDOT PDP and NEPA requirements with the replacement of an existing steel through truss bridge that had been closed to traffic as a result of biennial inspection concerns. Tom managed the environmental processing and design development of the three-span, 193 ft replacement bridge consisting of two Type III PSC spans and one Type II PSC span. Although the project was processed as a CE, the new bridge and approach roadway geometry required significant vertical realignment to provide the required vertical clearance over the two mainline tracks and also to eliminate the existing substandard crest vertical curve. Tom mentored and assisted the design team through extensive coordination with CSX RR and affected utility owners (fiber optic, gas, communications, and

water) to advance the project efficiently through design development. The project complied with the applicable state and federal agencies and regulations. GDOT Let the project and construction was completed in 2011.

**Project Manager | Signal Controlled Intersection Improvement with Arch Culvert Replacements PROJECT NO. 3**

**Hammock Road (CR 469) at SR 154 Intersection Improvements Concept Design through Final Design**

**NEPA Categorical Exclusion**

**GDOT PI 0004406 / GDOT PM – Adam Smith, PE Office of Program Delivery**

CHA satisfied all GDOT PDP requirements and permitting for this locally-sponsored, federal-aid intersection improvement project to address a high traffic volume operational and high priority safety concern. Tom managed the environmental processing and design development of this NEPA Categorical Exclusion. The frequency and severity of accidents heightened the need for signalization and the addition of auxiliary lanes at this stop sign controlled T-intersection. In order to accommodate the addition of turn lanes and signalization, the approach roadways required widening which resulted in the need to replace and lengthen two concrete arch culverts which convey streams beneath the intersection. The project was in close proximity to an earthen dam which retained a farm pond with a controlled outlet structure. The arch culvert sizing required detailed hydraulic analyses to model the upstream impoundment conditions as well as the downstream conveyance conditions. In addition to his management duties, Tom was heavily involved in providing internal constructability reviews and mentoring the design team through the development of challenging construction sequencing and maintenance of traffic scenarios.

**Program/Project Manager | New Location Highway (Segment of Bypass) PROJECT NO. 4**

**SR 34 / Newnan Bypass (Turkey Creek Road to SR 16) Concept Design through Final Design**

**NEPA Environmental Assessment and Re-Evaluation (involved the consolidation of 3 separate project actions)**

**GDOT PI's 0006293, 0006877, 0007694 / GDOT PM – Adam Smith, PE Office of Program Delivery (Thomaston)**

CHA has been working closely with Coweta County and GDOT for more than 8 years on this challenging locally-sponsored, federal-aid bypass extension project across a large floodplain. The project is a new location arterial that will improve mobility and access from the existing end of the SR 34/ Newnan Bypass by extending the road an additional 1.6 miles to an intersection with SR 16 along the east side of I-85. Tom has managed this project through the consolidation and coordination of multiple PI's into one comprehensive NEPA action, and then advanced the combined action through the GDOT PDP and NEPA processes as an EA with FEMA coordination to secure a Conditional Letter of Map Revision (CLOMR). The project complied with the GDOT PDP and all applicable state and federal agencies and regulations. The FONSI was submitted to GDOT in March 2013. Preliminary Field Plan Review occurred in early April 2013. Final Field Plan Review is scheduled for mid-November 2013. Right of Way acquisition is on-going and GDOT Project Letting is scheduled for 2014.

**Program/Project Manager | New Location Interstate Interchange PROJECT NO. 5**

**I-85/Poplar Road Interchange Concept Design through Final Design**

**NEPA Environmental Assessment with Full Federal Oversight**

**GDOT PI 0009323 / GDOT PM – Adam Smith, PE Office of Program Delivery (Thomaston)**

CHA, working with Coweta County and GDOT for the past 3 years on this project, is responsible for accelerating the design development for a new interchange on I-85 through the GDOT PDP and NEPA Environmental Assessment processes. The project has been identified by GDOT as a high priority project and is subject to full oversight by the FHWA. The project complies with the GDOT PDP and all applicable state and federal agencies and regulations involving coordination with the USACOE, EPD, OES, FHWA, and DNR. Using the approved IJR as a foundation, Tom managed and led the CHA team through Concept Approval process and a VE Study, which then immediately followed into the EA preparation process. The concept development process was started in October 2010 and the Draft EA was approved by the FHWA in late September 2013. The Public Hearing has been scheduled for late November 2013. Preliminary Field Plan Review is tentatively scheduled for mid-2014 and GDOT Project Letting is scheduled for 2016.

| PI/Project # for GDOT Projects / Name of Customer for Non-GDOT Projects | Role of PM on Project | Project Description                                  | Current Phase of Project   | Current Status of Project   |
|---|-----------------------|--|--|---|
| <b>Tom Karis, Project Manager</b>                                       |                       |  |  |   |
| <b>PI Nos. 0006393, 0006877, 0007694</b>                                | Client Liaison        | SR 34/Newnan Bypass Southeast Segment, Coweta County | FFPR is scheduled for mid-November 2013  | NEPA Process 99%; Plan Development 90%  |
| <b>PI No. 0009323</b>   | Client Liaison        | I-85/Poplar Road Interchange, Coweta County          | Draft EA approved by FHWA in late September 2013; Public Hearing is scheduled for late November 2013 | NEPA Process 85%; Plan Development 50%  |
| <b>Fulton County</b>  | Program Manager       | Standby Engineering Services                         | On-call services; 1 task order assigned  | 1 on-going TE project in Final Design   |
| <b>City of Oakwood</b>  | Program Manager       | On-Call Transportation Engineering Services          | On-call services; no task orders assigned  | No on-going projects at this time   |
| <b>Chattooga County</b>   | Program Manager       | On-Call Transportation Engineering Services          | On-call services; 1 task order assigned  | 1 concept alignment study   |
| <b>Coweta County</b>  | Program Manager       | On-Call Transportation Engineering Services          | On-call services; 2 task orders assigned   | 2 local roadway RRR projects currently in ROW procurement for Letting by the County |

## B2 – KEY TEAM LEADERS

## CHA CONSULTING, INC. | Lead Roadway Engineer

**Chris Edmondson, PE**  
Roadway & Safety**Education**  
Southern College of  
Technology, GA/B.S./  
Civil/1991**Professional Registration**  
PE-GA

Chris has over 21 years of GDOT-focused design and construction experience. The first 9 years of Chris' career were spent with the GDOT Roadway Design Section. Since joining CHA in 2007, Chris has been involved in all of CHA's transportation projects throughout Georgia. His "hands on" involvement and well-established working relationships throughout GDOT have been keys to the success and reputation that CHA has earned with GDOT PM's. Chris has firsthand experience with GDOT's design and contract preferences, mentoring our staff with a comprehensive knowledge of the GDOT PDP and GDOT Standards, Specifications and Construction Practices. He is adept at project plan and contract document development. His design experience, coupled with the working knowledge that he gained from construction and field plan reviews ensures the highest levels of quality are balanced with the most cost-effective solutions. Chris has set a quality benchmark for CHA through his commitment to comprehensive QC/QA reviews. The projects below all complied with the GDOT PDP and all applicable state and federal agencies and regulations involving coordination with FEMA, USACOE, EPD, FHWA, and DNR.

**Lead Roadway Engineer – New Location Arterial Highway**

**SR 34/Newnan Bypass (Turkey Creek Rd to SR 16) - Locally-Sponsored, Federal-Aid GDOT PDP/FHWA NEPA Project**  
**GDOT PI's 0006293, 0006877, 0007694 / GDOT PM – Adam Smith, PE Office of Program Delivery (Thomaston)**

Chris has been leading the preliminary through final design effort for more than 5 years on this locally-sponsored, federal-aid project for the SR 34/Newnan Bypass extension between Turkey Creek Road and SR 16 in Coweta County. The new location arterial is approximately 1.5 miles of four lane divided highway with a new bridge crossing of Norfolk Southern RR and multiple box culverts to convey existing streams. This alternate route will provide improved north/south accessibility to reduce congestion, improve emergency service response times, as well as be an economic catalyst for that section of the County. FFPR occurred in early April 2013 with FFPR scheduled for late November 2013. GDOT Project Letting is scheduled for 2014.

**Lead Roadway Engineer– Off-System Bridge Replacement over a FEMA-studied Stream**

**CR 130 (Cannon Road) Bridge Replacement over White Oak Creek – Locally-Sponsored, Federal-Aid GDOT PDP/FHWA NEPA Project**

**GDOT PI 0006957 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**

Chris was the Lead Roadway Engineer in CHA's design team for this replacement project which included improved geometry on the approaches to the three span, 265 ft long, Type III AASHTO precast/pre-stressed concrete bridge supported on drilled shaft and driven pile foundations. The replacement structure was lengthened to improve the hydraulic conveyance performance by lowering the channel velocity and backwater elevations. GDOT Let the project and construction was completed in 2011.

**Lead Roadway Engineer– Intersection Safety Improvement with Signalization and Widening**

**Hammock Road (CR 469) at SR 154 – Locally-Sponsored, Federal-Aid GDOT PDP/FHWA NEPA Project**  
**GDOT PI 0004406 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**

Chris was the Lead Roadway Engineer for this high volume/high priority safety improvement project sponsored by Coweta County with GDOT District 3. Excessive traffic delays, coupled with the frequency and severity of accidents heightened the need for signalization and the addition of auxiliary lanes. In order to accommodate the intersection improvements, the approach roadways required widening which required the replacement of two concrete box culverts which convey streams beneath the intersection. The existing culverts were completely replaced with bottomless precast concrete arch culverts. The work was done under heavy traffic conditions using staged construction. GDOT Let the project and construction was completed in 2012.

**CHA CONSULTING, INC. | Lead Bridge Engineer**

|  |  |
|--|--|
| <p><b>Kevin Kahle, PE</b><br/>Bridge, Culverts &amp; Walls</p> | <p>Kevin has 13 years of diverse bridge design experience ranging from local off-system rehabilitations and replacements; to large complex bridges in downtown Atlanta; to major river crossings in coastal Georgia; to world class design-build initiatives requiring innovative analysis and constructability assessments. During the course of his career, Kevin has designed more than 30 bridges, a large number of which were directly for GDOT or consistent with GDOT design standards as part of locally-sponsored bridge replacement projects. Kevin has worked closely with the GDOT Bridge Office and is familiar with the GDOT Bridge design and plan requirements and preferences.</p> |
| <p><b>Education</b></p>  | <p>Auburn University, AL/M.S./Civil Engineering/2000</p> <p>Auburn University, AL/B.S./Civil Engineering/ 1998</p>   |
| <p><b>Professional Registration</b></p>                        | <p>PE-GA, FL, VA</p>   |

**Lead Bridge Engineer– Off-System Bridge Replacement over a FEMA-studied Stream  
CR 130 (Cannon Road) Bridge Replacement over White Oak Creek – Locally-Sponsored, Federal-Aid GDOT PDP/FHWA NEPA Project**

**GDOT PI 0006957 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**  
Kevin was the Lead Bridge Engineer for this replacement project which included improved geometry on the approaches to the three span, 265 ft long, Type III AASHTO precast/pre-stressed concrete bridge supported on drilled shaft and driven pile foundations. The replacement structure was lengthened to improve the hydraulic conveyance performance by lowering the channel velocity and backwater elevations. Kevin worked closely with the hydraulic engineer to size the bridge opening in accordance with GDOT guidelines. He also collaborated with the aquatic specialist to develop the span configuration which eliminated construction impacts to the channel and the state-protected minnow which was identified during aquatic surveys. The project complied with the GDOT PDP and all applicable state and federal agencies and regulations involving coordination with FEMA, USACOE, EPD, FHWA, and DNR. GDOT Let the project and construction was completed in 2011.

**Lead Bridge Engineer – Off-System Priority Bridge Replacement over a Class I Freight Railroad  
CR 41 (Greentop Road) Bridge Replacement over CSX Railroad - Locally-Sponsored, Federal-Aid GDOT PDP/FHWA NEPA Project**

**GDOT PI 0006956 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**  
Kevin was the Lead Bridge Engineer for this replacement of the existing steel through truss bridge that had been closed as a result of biennial inspection concerns. The project required significant vertical realignment of the roadway approaches to provide the required vertical clearance over the two mainline tracks and also to eliminate the existing substandard crest vertical curve over the railroad. The 193 ft replacement bridge consisted of two Type III PSC spans and one Type II PSC span. Extensive coordination with CSX RR and utility owners (fiber optic, gas, communications, and water) was required to advance the project through design development. The project complied with the GDOT PDP and all applicable state and federal agencies and regulations involving coordination with FEMA, USACOE, EPD, FHWA, and DNR. GDOT Let the project and construction was completed in 2011.

**Lead Bridge Engineer – Off-System Bridge Replacement on Curved Alignment over a Stream  
CR 41 (Moore Road) Bridge Replacement over White Oak Creek Tributary – Locally-Funded Project**

Kevin was the Lead Bridge Engineer for this replacement of an existing 100 ft long, curved and cast-in-place concrete structure supported on a timber pile foundation. The replacement structure is a 100 ft long, three-span bridge on a curved alignment. The superstructure is Type I Modified AASHTO precast/pre-stressed concrete girders supported on drilled caisson foundations. The replacement structure and approach geometry were upgraded to address sight distance and cross-section deficiencies. The project was developed in accordance with the GDOT PDP and all applicable state and federal agencies and regulations involving coordination with FEMA, USACOE, EPD and DNR. Coweta County Let the project and construction was completed in 2011.

## GT HILL PLANNERS | Lead Environmental Specialist

|   |   |
|---|---|
| <p><b>Todd Hill, PP, AICP</b><br/>Environmental Compliance &amp; Permitting</p> <p><b>Education</b><br/>Stockton State College,<br/>NJ/B.S./ Marine Science/1989</p> <p><b>Professional Registration</b><br/>American Institute of Certified Planners<br/>Professional Planner – NJ</p> | <p>Todd has more than 22 years of experience in the identification, delineation, and analysis of environmentally sensitive areas and ecosystems relating to transportation projects. For the past 6 plus years Todd and the GT Hill Planners staff have been integral team members with CHA, working side-by-side on transportation projects throughout Georgia. Todd's involvement with CHA includes wetland delineations, environmental resource inventories, environmental permitting, air and noise assessments, public and community outreach, and the preparation of NEPA environmental documents including EIS's, EA's, and CE's. Todd has an extensive record of successful projects, and an earned respect with GDOT, EPD, DNR, USACOE and many local jurisdictional agencies. He is currently working with CHA as the NEPA Environmental Leader on the EA's and environmental permitting for I-85/Poplar Road Interchange (PI 0009323) and SR 34 Newnan Bypass (PI 0006293, 0006877, 0007694) projects.</p> |
|---|---|

**NEPA Environmental Leader - Environmental Assessment for New Location Interstate Interchange I-85/Poplar Road Interchange –Locally-Sponsored, Federal-Aid GDOT PDP / FHWA NEPA Environmental Evaluation and Permitting**

**GDOT PI 0009323 / GDOT PM – Adam Smith, PE Office of Program Delivery (Thomaston)**

GT Hill Planners, as subconsultant to CHA, is working collaboratively to accelerate the environmental evaluation of a new interchange on I-85 in Coweta County. The project has been identified by GDOT as a high priority project for expedited review through the GDOT PDP and NEPA EA processes. The proposed action has involved a robust public outreach effort and detailed assessments of a wide range of social, economic, environmental and socio-economic consequences in accordance with the FHWA and GDOT OES policies and procedures. The Draft EA was approved by FHWA in early October 2013 and the Public Hearing is scheduled for late November 2013. The GDOT Project Letting will be updated and accelerated based upon the advancement of the Final EA/FONSI scheduled for Spring 2014.

**NEPA Environmental Leader – Environmental Assessment for New Location Highway (Bypass Segment)**

**SR 34 / Newnan Bypass (Turkey Creek Road to SR 16) - Locally-Sponsored, Federal-Aid GDOT PDP / FHWA NEPA Environmental Evaluation and Permitting**

**GDOT PI's 0006293, 0006877, 0007694 / GDOT PM – Adam Smith, PE Office of Program Delivery (Thomaston)**

GT Hill Planners, as subconsultant to CHA, has been working for more than 7 years on this challenging locally-sponsored, federal-aid project for the southeast extension of the SR 34/Newnan Bypass between Turkey Creek Road and SR 16 along the east side of I-85 in Coweta County. The project has involved the consolidation and coordination of multiple PI's into one comprehensive NEPA action. The proposed action has included detailed assessments and study updates for a diverse range of social, economic, environmental and socio-economic consequences in accordance with the FHWA and GDOT OES policies and procedures. The FONSI was submitted to GDOT in March 2013. PFPR occurred in early April 2013. FFPR will be held in October 2013. GDOT Project Letting is scheduled for 2014.

**NEPA Environmental Leader – Categorical Exclusion Bridge Replacement over a FEMA-studied Stream**

**CR 130 (Cannon Road) Bridge Replacement over White Oak Creek – Locally-Sponsored, Federal-Aid GDOT PDP / FHWA NEPA Environmental Evaluation and Permitting**

**GDOT PI 0006957 / GDOT PM – Bill Rountree, PE, District 3 Pre-Construction Engineer (Thomaston)**

GT Hill Planners, as subconsultant to CHA, satisfied all GDOT PDP and NEPA CE evaluation and permitting requirements for this 264 ft long replacement bridge consisting of three 88 ft PSC spans on concrete piers with drilled shaft foundations. An endangered minnow species was identified during the aquatic survey, requiring the team to work closely with GDOT OES to avoid impacts during construction by clear-spanning the stream channel. The project was advanced as a federal ARRA "Stimulus Project" in 2009.

In the past 4 years CHA completed environmental processing, plan development, letting and construction of five very similar off-system (County Route) bridge replacements in neighboring Coweta County. The same core CHA team that worked collaboratively on those successful off-system bridge replacement projects would be the same professionals committed to advance this project through the GDOT PDP and environmental approval processes.

There are a number of similarities between this project and the five Coweta County bridge projects within District 3 that CHA has completed. All of the bridges carry County roads over streams with similar sized drainage basins and hydrologic characteristics. Replacement is required to address the rotted timber pile substructures and poor serviceability. Traffic volumes and functional classifications are similar. Availability of off-site detours versus on-site staged construction offers similar challenges and opportunities.

From our experience with water crossing bridge replacements, the three most important areas of technical support to our Key Team Leaders are in the areas of 1) hydrologic and hydraulic analyses, 2) geotechnical investigations, analysis and design, and 3) aquatic species investigations as a Special Study and NEPA approval component.

The hydrologic and hydraulic analyses are critical in understanding and evaluating the existing riverine flow characteristics. From those results the proposed bridge opening can be determined to maintain or improve the conveyance flow in accordance with the appropriate FEMA and GDOT standard requirements. CHA's Ricardo Navarro, PE will be responsible for the project's hydrologic and hydraulic studies. Ricardo is a Georgia Tech graduate with over 10 years of hydraulic and hydrologic experience involving transportation structures and scour analyses, primarily focused on GDOT projects. Ricardo has worked closely with the GDOT Bridge Hydraulics Section and is well versed in the GDOT Drainage Manual, and in particular Chapter 14 which contains the requirements and guidelines for bridge hydraulic studies. Very important to this project is his post-graduate work at Georgia Tech which was dedicated to research, analysis and modeling of bridge scour conditions and reactions in cohesive streambed materials. We fully expect to find cohesive streambed conditions at this location. In his project portfolio, he also has prior experience working in neighboring drainage basins which are quite similar to the Rum Creek watershed. Ricardo, working side-by-side with the bridge design team, will collaborate to cost-effectively and efficiently develop, evaluate and iteratively refine bridge alternatives with the highest degree of confidence.

Our geotechnical partner, MC Squared, Inc. plays an integral role with the bridge engineering and hydraulic engineering team providing subsurface condition characterizations and their effect on foundation designs. MC Squared's professionals will work collaboratively with the bridge engineering team to analyze the most cost-effective foundation types, while at the same time working closely with Ricardo in assessing scour considerations. MC Squared's Sam Moussly and Kermit Schmidt, PE combine to offer more than 60 years of geotechnical and foundation analysis and engineering experience. Both of these professionals have extensive experience with projects throughout Georgia and with the Office of Materials, involving subsurface explorations for bridges (BFI's) and walls (WFI's), foundation engineering, pile dynamics, and road and pavement design and evaluation (Soil Surveys).

The third key contributor supporting our Key Lead Team is our aquatics specialist, Chris Crow of CCR Environmental. Chris will work closely with Todd Hill to provide the critical aquatic habitat survey. Chris provides 25 years of experience in aquatic ecology/biology. He has worked in Georgia since 1989, where he has designed and conducted hundreds of biological monitoring studies and conducted fish and mussel surveys for hundreds of GDOT roadway and bridge projects. He was the Project Manager and Senior Aquatic Biologist for the GDOT Statewide Fish and Mussel Survey contract. The team of CHA, GT Hill and CCR has worked together on every bridge and culvert water crossing project that CHA has lead within Georgia. Chris' expertise is critical to the early and confident identification and/or recognition of unique or protected fish, mussels, crayfish, etc. species which may have a significant effect on design development and construction considerations. His input will be a key factor in considerations such as bridge span configurations to clear-span the sensitive stream channel area and special provisions which minimize impacts to sensitive species during construction.

## B. Experience and Qualifications

### B3 – PRIME EXPERIENCE

| Client: Coweta County                                  |   | PROJECT NO. 1 |
|--|---|---------------|
| <b>Project</b>   | CR 130 (Cannon Road) Bridge Replacement over White Oak Creek   GDOT PI 0006957  |               |
| <b>Location</b>  | Coweta County, GA   |               |
| <b>Dates of Service/<br/>Duration of Involvement</b>   | September 2006 through 2011   |               |
| <b>Description of Overall<br/>Project and Services</b> | Bridge replacement and roadway approach upgrades  |               |
| <b>Professional Services</b>                           | Project management, engineering design development and NEPA environmental processing for concept through final design and letting in accordance with GDOT PDP, EPM, PPG, Drainage Manual, and required Design Procedure Manuals                                       |               |
| <b>Project Budget</b>                                  | \$1,800,000 (Construction Value)  |               |
| <b>Client Contact</b>                                  | Mr. Theron Gay, County Administrator<br>22 E. Broad Street, Newnan, GA 30263   770-254-2601   |               |
| <b>GDOT Contact</b>                                    | <b>Mr. Bill Rountree, PE, GDOT District 3 Pre-Construction Engineer</b><br>115 Transportation Blvd, Thomaston, GA 30286   706-646-6990  |               |
| <b>Key Resources</b>                                   | <b>CHA</b>   Tom Karis - PM; Chris Edmondson - Lead Highway Engineer; Kevin Kahle - Lead Bridge Engineer; Eniel Gonzalez - Lead Stormwater Management Engineer<br><b>GT Hill</b>   Todd Hill - Lead NEPA Specialist; <b>CCR Environmental</b>   Chris Crow - Aquatics |               |

CHA satisfied all GDOT PDP and permitting requirements for this federal-aid off-system bridge replacement over a FEMA-regulated stream. The 264 ft long replacement bridge consisted of three 88 ft PSC spans on concrete piers with drilled shaft foundations. An endangered minnow species was identified during the aquatic survey, requiring that CHA work closely with GDOT OES to avoid impacts during construction by clear-spanning the stream channel.

| Client: Coweta County                                  |   | PROJECT NO. 2 |
|--|---|---------------|
| <b>Project</b>   | (CR 41) GreenTop Road Bridge Replacement over CSX Railroad   GDOT PI 0006956  |               |
| <b>Location</b>  | Coweta County, GA   |               |
| <b>Dates of Service/<br/>Duration of Involvement</b>   | September 2006 through 2011   |               |
| <b>Description of Overall<br/>Project and Services</b> | Bridge replacement and roadway approach upgrades  |               |
| <b>Professional Services</b>                           | Project management, design development and NEPA environmental processing for concept through final design and letting in accordance with GDOT PDP, EPM, PPG, Bridge Design Manual, and required Design Procedure Manuals.   |               |
| <b>Project Budget</b>                                  | \$1,800,000 (Construction Value)  |               |
| <b>Client Contact</b>                                  | Mr. Theron Gay, County Administrator<br>22 E. Broad Street, Newnan, GA 30263   770-254-2601   |               |
| <b>GDOT Contacts</b>                                   | <b>Mr. Bill Rountree, PE, GDOT District 3 Pre-Construction Engineer</b><br>115 Transportation Boulevard, Thomaston, GA 30286   706-646-6990<br><b>Ms. Lyn Clements, PE, GDOT Bridge Office</b><br>600 W. Peachtree Street, 24 <sup>th</sup> Floor, Atlanta, GA 30308   404-631-1849 |               |
| <b>Key Resources</b>                                   | <b>CHA</b>   Tom Karis, PM; Chris Edmondson, Lead Highway Engineer; Kevin Kahle, Lead Bridge Engineer; Eniel Gonzalez, Lead Stormwater Management Engineer<br><b>GT Hill</b>   Todd Hill, Lead NEPA Specialist  |               |

CHA satisfied all GDOT PDP requirements and permitting for this federal-aid bridge replacement of an existing steel through truss bridge that had been closed as a result of biennial inspection concerns. The project required significant vertical realignment of the roadway approaches to provide the required vertical clearance over the two mainline tracks and also to eliminate the existing substandard crest vertical curve. The 193 ft replacement bridge consisted of two Type III PSC spans and one Type II PSC span. Extensive coordination with CSX RR and utility owners (fiber optic, gas, communications, and water) was required to advance the project through design development.

## B. Experience and Qualifications

| Client: Coweta County                                  |   | PROJECT NO. 3 |
|--|---|---------------|
| <b>Project</b>   | (CR 469) Hammock Road at SR 154 Intersection Improvements   GDOT PI 0004406   |               |
| <b>Location</b>  | Coweta County, GA   |               |
| <b>Dates of Service/<br/>Duration of Involvement</b>   | September 2006 through summer 2012  |               |
| <b>Description of Overall<br/>Project and Services</b> | Intersection operational and safety improvements  |               |
| <b>Professional Services</b>                           | Project management, design development and NEPA environmental processing for concept through final design and letting in accordance with GDOT PDP, EPM, PPG and required Design Procedure Manuals |               |
| <b>Project Budget</b>                                  | \$2,700,000 (Construction Value)  |               |
| <b>Client Contact</b>                                  | Mr. Theron Gay, County Administrator<br>22 E. Broad Street, Newnan, GA 30263   770-254-2601   |               |
| <b>GDOT Contact</b>                                    | <b>Mr. Adam Smith, PE, Project Manager, Office of Program Delivery</b><br>101 Transportation Boulevard, Thomaston, GA 30286   706-646-6113  |               |
| <b>Key Resources</b>                                   | <b>CHA</b>   Tom Karis, PM; Chris Edmondson, Lead Highway Engineer; Eniel Gonzalez, Lead Stormwater Management Engineer<br><b>GT Hill</b>   Todd Hill, Lead NEPA Specialist                       |               |

CHA satisfied all GDOT PDP requirements and permitting for this federal-aid intersection improvement project to address high traffic volume, priority safety concern sponsored by Coweta County with involvement from GDOT District 3. The frequency and severity of accidents heightened the need for signalization and the addition of auxiliary lanes at this stop sign controlled T-intersection. In order to accommodate the addition of turn lanes and signalization, the approach roadways required widening which resulted in the need to replace and lengthen two concrete box culverts which convey streams beneath the intersection.

| Client: Coweta County                                  |  | PROJECT NO. 4 |
|--|--|---------------|
| <b>Project</b>   | SR 34 / Newnan Bypass (Turkey Creek Rd to SR 16)   GDOT PI's 0006293, 0006877, 0007694   |               |
| <b>Location</b>  | Coweta County, GA  |               |
| <b>Dates of Service/<br/>Duration of Involvement</b>   | September 2006 through present   |               |
| <b>Description of Overall<br/>Project and Services</b> | New location arterial bypass with bridge over railroad and intersection operational improvements   |               |
| <b>Professional Services</b>                           | Project management, design development and NEPA environmental processing for concept through final design and letting in accordance with GDOT PDP, EPM, PPG and required Design Procedure Manuals.   |               |
| <b>Project Budget</b>                                  | \$17,800,000 (Construction Value)  |               |
| <b>Client Contact</b>                                  | Mr. Theron Gay, County Administrator<br>22 E. Broad Street, Newnan, GA 30263   770-254-2601  |               |
| <b>GDOT Contact</b>                                    | <b>Mr. Adam Smith, PE, Project Manager, Office of Program Delivery</b><br>101 Transportation Boulevard, Thomaston, GA 30286   706-646-6113   |               |
| <b>Key Resources</b>                                   | <b>CHA</b>   Tom Karis, PM; Chris Edmondson, Lead Highway Engineer; Eniel Gonzalez, Lead Stormwater Management Engineer; Kevin Kahle, Lead Bridge Engineer<br><b>GT Hill</b>   Todd Hill, Lead NEPA Specialist; <b>CCR Environmental</b>   Chris Crow - Aquatics |               |

CHA satisfied all GDOT PDP requirements and permitting for this locally-sponsored, federal-aid project for the southeast extension of the SR 34/Newnan Bypass between Turkey Creek Road and SR 16 along the east side of I-85 in Coweta County. The new location arterial is approximately 1.5 miles of four lane divided highway with a new bridge crossing of CSX RR and multiple box culverts to convey existing streams. The project has involved the consolidation and coordination of multiple PI's into one comprehensive NEPA action. The proposed action has included detailed assessments and study updates for a diverse range of social, economic, environmental and socio-economic consequences in accordance with the FHWA and GDOT OES policies and procedures. The FONSI was submitted to GDOT in March 2013. Preliminary Field Plan Review occurred in early April 2013. GDOT Project Letting is scheduled for 2014.

# B4. Area Class Summary Table

PROJECT/CONTRACT #2  
 PROJECT | PI NUMBER: 0011691  
 BRIDGE REPLACEMENT ON CR 66/BLACKHALL ROAD @ RUM CREEK

| Area Class # | Area Class Description  | PRIME<br>CHA<br>Consulting, Inc. | SUB 1<br>GT Hill<br>Planners | SUB 2<br>CCR<br>Environmental | SUB 3<br>Long<br>Engineering | SUB 4<br>MC Squared |
|--------------|---|----------------------------------|------------------------------|-------------------------------|------------------------------|---------------------|
| 3.01         | Two-Lane or Multi-Lane Rural Roadway Design                       | X                                |                              |                               |                              |                     |
| 4.01         | Minor Bridge Design   | X                                |                              |                               |                              |                     |
|              |   |                                  |                              |                               |                              |                     |
| 1.06(a)      | NEPA  |                                  | X                            |                               |                              |                     |
| 1.06(b)      | History   |                                  | X                            |                               |                              |                     |
| 1.06(c)      | Air Quality   |                                  | X                            |                               |                              |                     |
| 1.06(d)      | Noise   |                                  | X                            |                               |                              |                     |
| 1.06(e)      | Ecology   |                                  | X                            |                               |                              |                     |
| 1.06(f)      | Archaeology   |                                  | X                            |                               |                              |                     |
| 1.06(g)      | Freshwater Aquatic Surveys  |                                  |                              | X                             |                              |                     |
| 1.07         | Attitude, Opinion, & Community Value Studies (Public Involvement) |                                  | X                            |                               |                              |                     |
| 3.12         | Hydraulic and Hydrological Studies (Roadway)                      | X                                |                              |                               |                              |                     |
| 4.04         | Hydraulic and Hydrological Studies (Bridges)                      | X                                |                              |                               |                              |                     |
| 5.01         | Land Surveying  |                                  |                              |                               | X                            |                     |
| 5.02         | Engineering Surveying   |                                  |                              |                               | X                            |                     |
| 5.03         | Geodetic Surveying  |                                  |                              |                               | X                            |                     |
| 6.01(a)      | Soil Survey Studies   |                                  |                              |                               |                              | X                   |
| 6.01(b)      | Geological and Geophysical Studies                                |                                  |                              |                               |                              | X                   |
| 6.02         | Bridge Foundation Studies   |                                  |                              |                               |                              | X                   |
| 9.01         | Erosion, Sedimentation, and Pollution Control Plan                | X                                |                              |                               |                              |                     |

**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION**

You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

|   |   |                                      |
|---|---|--------------------------------------|
| <b>NAME AND ADDRESS</b><br>CHA Consulting, Inc.<br>270 Peachtree Street, N.W., Suite 1500<br><br>Atlanta, GA 30303-1283 | <b>ISSUE DATE</b><br>4/11/13              | <b>DATE OF EXPIRATION</b><br>5/31/14 |
| <b>SIGNATURE</b><br>                  | <b>RECEIVED</b><br><br><b>JUN 03 2013</b> |                                      |
|   | <b>BY:</b> _____                          |                                      |

- 1. Transportation Planning**
- 1.01 State Wide Systems Planning  
Urban Area and Regional Transportation Planning
  - 1.02 Planning
  - 1.03 Aviation Systems Planning
  - 1.04 Mass and Rapid Transportation Planning
  - 1.05 Alternate System and Corridor Location Planning
  - 1.06 Unknown
  - 1.06a NEPA Documentation
  - 1.06b History
  - 1.06c Air Studies
  - 1.06d Noise Studies
  - 1.06e Ecology
  - 1.06f Archaeology
  - 1.06g Freshwater Aquatic Surveys
  - 1.07 Attitude, Opinion and Community Value Studies
  - 1.08 Airport Master Planning
  - 1.09 Location Studies
  - 1.10 Traffic Studies
  - 1.11 Traffic and Toll Revenue Studies
  - 1.12 Major Investment Studies
  - 1.13 Non-Motorized Transportation Planning

- 2. Mass Transit Operations**
- 2.01 Mass Transit Program (Systems) Management
  - 2.02 Mass Transit Feasibility and Technical Studies
  - 2.03 Mass Transit Vehicle and Propulsion System  
Mass Transit Controls, Communications and Information Systems
  - 2.04 Information Systems
  - 2.05 Mass Transit Architectural Engineering
  - 2.06 Mass Transit Unique Structures
  - 2.07 Mass Transit Electrical and Mechanical Systems  
Mass Transit Operations Management and Support Services
  - 2.08 Support Services
  - 2.09 Aviation
  - 2.10 Mass Transit Program (Systems) Marketing

- 3. Highway Design Roadway**
- 3.01 Two-Lane or Multi-Lane Rural Generally Free Access Highway Design
  - 3.02 Two-Lane or Multi-Lane with Curb and Gutter Generally Free Access Highways Design Including Storm Sewers
  - 3.03 Two-Lane or Multi-Lane Widening and Reconstruction, with Curb and Gutter and Storm Sewers in Heavily Developed Commercial, Industrial and Residential Urban Areas
  - 3.04 Multi-Lane, Limited Access Expressway Type Highway Design
  - 3.05 Design of Urban Expressway and Interstate
  - 3.06 Traffic Operations Studies
  - 3.07 Traffic Operations Design
  - 3.08 Landscape Architecture

- 3. Highway Design Roadway (Continued)**
- 3.09 Traffic Control Systems Analysis, Design and Implementation
  - 3.10 Utility Coordination
  - 3.11 Architecture
  - 3.12 Hydraulic and Hydrological Studies (Roadway)
  - 3.13 Facilities for Bicycles and Pedestrians
  - 3.14 Historic Rehabilitation
  - 3.15 Highway Lighting
  - 3.16 Value Engineering
  - 3.17 Design of Toll Facilities Infrastructure

- 4. Highway Structures**
- 4.01 Minor Bridges Design
  - 4.02 Major Bridges Design
  - 4.03 Movable Span Bridges Design
  - 4.04 Hydraulic and Hydrological Studies (Bridges)
  - 4.05 Bridge Inspection

- 5. Topography**
- 5.01 Land Surveying
  - 5.02 Engineering Surveying
  - 5.03 Geodetic Surveying
  - 5.04 Aerial Photography
  - 5.05 Aerial Photogrammetry
  - 5.06 Topographic Remote Sensing
  - 5.07 Cartography
  - 5.08 Subsurface Utility Engineering

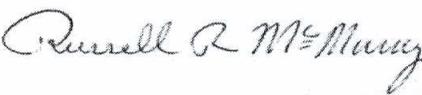
- 6. Soils, Foundation & Materials Testing**
- 6.01a Soil Surveys
  - 6.01b Geological and Geophysical Studies
  - 6.02 Bridge Foundation Studies  
Hydraulic and Hydrological Studies (Soils and Foundation)
  - 6.03 Foundation
  - 6.04a Laboratory Materials Testing
  - 6.04b Field Testing of Roadway Construction Materials
  - 6.05 Hazard Waste Site Assessment Studies

- 8. Construction**
- 8.01 Construction Supervision

- 9. Erosion and Sedimentation Control**
- 9.01 Erosion, Sedimentation, and Pollution Control and Comprehensive Monitoring Program
  - 9.02 Rainfall and Runoff Reporting
  - 9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices Installations

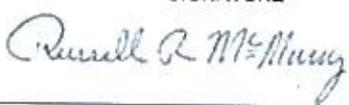
**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION**

You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

| NAME AND ADDRESS   | ISSUE DATE   | DATE OF EXPIRATION |
|--|--|--------------------|
| GT Hill Planners Corporation<br>308 Hightower Trail<br><br>Stone Mountain, GA 30087  | 11/8/12  | 11/30/15           |
| <b>SIGNATURE</b>   |  |                    |
|   |  |                    |
| <b>1. Transportation Planning</b><br><input type="checkbox"/> 1.01 State Wide Systems Planning<br>Urban Area and Regional Transportation<br><input type="checkbox"/> 1.02 Planning<br><input type="checkbox"/> 1.03 Aviation Systems Planning<br><input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning<br><input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning<br><input type="checkbox"/> 1.06 Unknown<br><input checked="" type="checkbox"/> 1.06a NEPA Documentation<br><input checked="" type="checkbox"/> 1.06b History<br><input checked="" type="checkbox"/> 1.06c Air Studies<br><input checked="" type="checkbox"/> 1.06d Noise Studies<br><input checked="" type="checkbox"/> 1.06e Ecology<br><input checked="" type="checkbox"/> 1.06f Archaeology<br><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys<br><input checked="" type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies<br><input type="checkbox"/> 1.08 Airport Master Planning<br><input type="checkbox"/> 1.09 Location Studies<br><input type="checkbox"/> 1.10 Traffic Studies<br><input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies<br><input type="checkbox"/> 1.12 Major Investment Studies<br><input type="checkbox"/> 1.13 Non-Motorized Transportation Planning | <b>3. Highway Design Roadway (Continued)</b><br><input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation<br><input type="checkbox"/> 3.10 Utility Coordination<br><input type="checkbox"/> 3.11 Architecture<br><input type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)<br><input type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians<br><input type="checkbox"/> 3.14 Historic Rehabilitation<br><input type="checkbox"/> 3.15 Highway Lighting<br><input type="checkbox"/> 3.16 Value Engineering<br><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure |                    |
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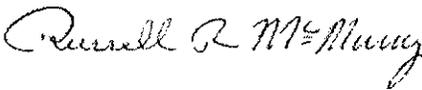
**STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  
NOTICE OF PROFESSIONAL CONSULTANT QUALIFICATION**

You are qualified to provide Consulting Services to the Department of Transportation for the area-classes of work checked below. Notice of qualification is not a notice of selection.

| NAME AND ADDRESS   | ISSUE DATE   | DATE OF EXPIRATION |
|--|--|--------------------|
| CCR Environmental, Inc.<br>3783 Presidential Parkway, Suite 123<br>Atlanta, GA 30340   | 8/11/11  | 8/31/14            |
|  | <b>SIGNATURE</b>   |                    |
|  |   |                    |
| <b>1. Transportation Planning</b><br><input type="checkbox"/> 1.01 State Wide Systems Planning<br>Urban Area and Regional Transportation Planning<br><input type="checkbox"/> 1.02 Planning<br><input type="checkbox"/> 1.03 Aviation Systems Planning<br><input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning<br><input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning<br><input type="checkbox"/> 1.06 Unknown<br><input type="checkbox"/> 1.06a NEPA Documentation<br><input type="checkbox"/> 1.06b History<br><input type="checkbox"/> 1.06c Air Studies<br><input type="checkbox"/> 1.06d Noise Studies<br><input checked="" type="checkbox"/> 1.06e Ecology<br><input type="checkbox"/> 1.06f Archaeology<br><input checked="" type="checkbox"/> 1.06g Freshwater Aquatic Surveys<br><input type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies<br><input type="checkbox"/> 1.08 Airport Master Planning<br><input type="checkbox"/> 1.09 Location Studies<br><input type="checkbox"/> 1.10 Traffic Studies<br><input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies<br><input type="checkbox"/> 1.12 Major Investment Studies<br><input type="checkbox"/> 1.13 Non-Motorized Transportation Planning | <b>3. Highway Design Roadway (Continued)</b><br><input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation<br><input type="checkbox"/> 3.10 Utility Coordination<br><input type="checkbox"/> 3.11 Architecture<br><input type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)<br><input type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians<br><input type="checkbox"/> 3.14 Historic Rehabilitation<br><input type="checkbox"/> 3.15 Highway Lighting<br><input type="checkbox"/> 3.16 Value Engineering<br><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure |                    |
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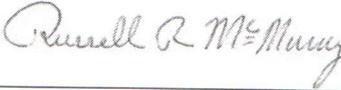
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| NAME AND ADDRESS  | ISSUE DATE   | DATE OF EXPIRATION |
|---|--|--------------------|
| Long Engineering, Inc.<br>2550 Heritage Court, Suite 100<br><br>Atlanta, GA 30339   | 8/9/12   | 2/28/15            |
| <b>SIGNATURE</b>  |  |                    |
|    |  |                    |
| <b>1. Transportation Planning</b><br><input type="checkbox"/> 1.01 State Wide Systems Planning<br>Urban Area and Regional Transportation<br><input type="checkbox"/> 1.02 Planning<br><input type="checkbox"/> 1.03 Aviation Systems Planning<br><input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning<br><input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning<br><input type="checkbox"/> 1.06 Unknown<br><input type="checkbox"/> 1.06a NEPA Documentation<br><input type="checkbox"/> 1.06b History<br><input type="checkbox"/> 1.06c Air Studies<br><input type="checkbox"/> 1.06d Noise Studies<br><input type="checkbox"/> 1.06e Ecology<br><input type="checkbox"/> 1.06f Archaeology<br><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys<br><input type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies<br><input type="checkbox"/> 1.08 Airport Master Planning<br><input type="checkbox"/> 1.09 Location Studies<br><input type="checkbox"/> 1.10 Traffic Studies<br><input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies<br><input type="checkbox"/> 1.12 Major Investment Studies<br><input type="checkbox"/> 1.13 Non-Motorized Transportation Planning | <b>3. Highway Design Roadway (Continued)</b><br><input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation<br><input type="checkbox"/> 3.10 Utility Coordination<br><input type="checkbox"/> 3.11 Architecture<br><input checked="" type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)<br><input checked="" type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians<br><input type="checkbox"/> 3.14 Historic Rehabilitation<br><input type="checkbox"/> 3.15 Highway Lighting<br><input type="checkbox"/> 3.16 Value Engineering<br><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure |                    |
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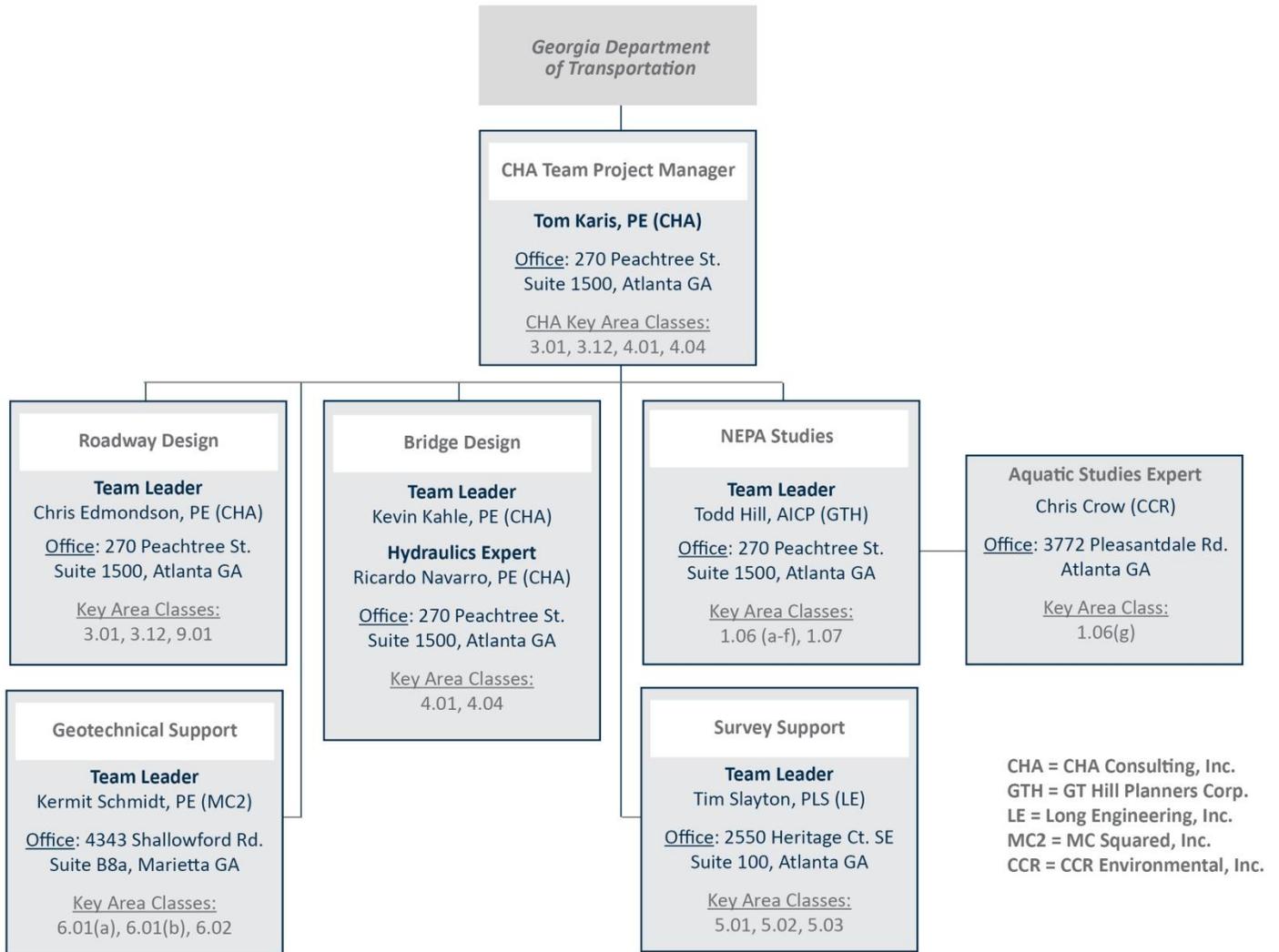
| NAME AND ADDRESS  | ISSUE DATE   | DATE OF EXPIRATION |
|---|--|--------------------|
| MC Squared, Inc.<br>1275 Shiloh Road, Suite 2620<br><br>Kennesaw, GA 30144  | 2/9/12   | 10/31/14           |
| <b>SIGNATURE</b>  |  |                    |
|    |  |                    |
| <b>1. Transportation Planning</b><br><input type="checkbox"/> 1.01 State Wide Systems Planning<br>Urban Area and Regional Transportation Planning<br><input type="checkbox"/> 1.02<br><input type="checkbox"/> 1.03 Aviation Systems Planning<br><input type="checkbox"/> 1.04 Mass and Rapid Transportation Planning<br><input type="checkbox"/> 1.05 Alternate System and Corridor Location Planning<br><input type="checkbox"/> 1.06 Unknown<br><input type="checkbox"/> 1.06a NEPA Documentation<br><input type="checkbox"/> 1.06b History<br><input type="checkbox"/> 1.06c Air Studies<br><input type="checkbox"/> 1.06d Noise Studies<br><input type="checkbox"/> 1.06e Ecology<br><input type="checkbox"/> 1.06f Archaeology<br><input type="checkbox"/> 1.06g Freshwater Aquatic Surveys<br><input type="checkbox"/> 1.07 Attitude, Opinion and Community Value Studies<br><input type="checkbox"/> 1.08 Airport Master Planning<br><input type="checkbox"/> 1.09 Location Studies<br><input type="checkbox"/> 1.10 Traffic Studies<br><input type="checkbox"/> 1.11 Traffic and Toll Revenue Studies<br><input type="checkbox"/> 1.12 Major Investment Studies<br><input type="checkbox"/> 1.13 Non-Motorized Transportation Planning | <b>3. Highway Design Roadway (Continued)</b><br><input type="checkbox"/> 3.09 Traffic Control Systems Analysis, Design and Implementation<br><input type="checkbox"/> 3.10 Utility Coordination<br><input type="checkbox"/> 3.11 Architecture<br><input type="checkbox"/> 3.12 Hydraulic and Hydrological Studies (Roadway)<br><input type="checkbox"/> 3.13 Facilities for Bicycles and Pedestrians<br><input type="checkbox"/> 3.14 Historic Rehabilitation<br><input type="checkbox"/> 3.15 Highway Lighting<br><input type="checkbox"/> 3.16 Value Engineering<br><input type="checkbox"/> 3.17 Design of Toll Facilities Infrastructure |                    |
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# C. Resources / Workload Capacity

## 1. Overall Resources

### C1a Organization Chart

The professional staff members who will be assigned to this contract are outlined on the organization chart below.



### C1b Primary Office

We have organized our local project team with quick responsiveness, efficiency and cost-effectiveness. CHA is totally committed to performing the work required of this project with our local Atlanta staff supported with the local resources of our team members. CHA's Project Manager, Key Team Leaders and primary engineering team are all located in our downtown Atlanta Office at 270 Peachtree Street. Our downtown Atlanta office is home to 37 local employees providing a diverse make-up of engineering talents including transportation (roadway, bridge, traffic and transit/rail) engineers and planners; hydraulics and stormwater engineers; general civil and environmental engineers; mechanical, electrical and plumbing (MEP) engineers; municipal program and project managers; and construction superintendents and inspectors.

Our office is conveniently located at 270 Peachtree Street in downtown Atlanta, within walking distance of the GDOT General Office and readily accessible to any involved agencies and/or locations throughout the state from I-75, I-85 or I-20. The proximity to the General Office has proven very convenient and cost-effective, allowing us to take full advantage of the Department's video conferencing capabilities on project coordination elements involving the Districts and outside agencies, promoting face to face interaction and collaboration with GDOT managers and reviewers, as well as allowing us to hand deliver materials to upper management when time is of the essence.

We know firsthand the time and cost-saving efficiencies that can be achieved through video-conferencing between the General Office and the Districts. Within a quick ten minute walk from our office to the General Office, and just a few minutes to get the video conference link set up, the entire project team can be involved in real time viewing and communication to collaborate on strategies and resolutions. We will take full advantage of these technologies to benefit the project and promote efficiency.

In addition to our own 37 local employees, GT Hill Planners Corp. is co-located (thru sub-let office space) with CHA in our 270 Peachtree Street office. Our engineers work side by side with the GT Hill staff on a daily basis. Not only do we share office space, but we also share reprographic services, on-site parking services, etc. The daily collaboration and interaction of CHA's transportation engineers and environmental specialists with GT Hill's environmental specialists is invaluable in efficiency and cost-effectiveness through every aspect of design development, environmental processing and permitting, all the way through construction support. GT Hill truly is an extension of CHA which ensures that our team is highly cost-effective and responsive. The extent and nature of the long-standing working relationship between CHA and GT Hill is can be easily seen in our Experience and Qualifications Section.

As a new bridge replacement utilizing federal funding, FHWA guidelines require that the bridge design be in accordance with AASHTO LRFD Bridge Design Specifications. LRFD bridge design is one area where CHA differentiates itself from other firms. CHA's Atlanta-based bridge staff **has extensive experience with LRFD bridge design**. CHA's Atlanta-based staff has taken primary responsibility for the design of five bridges in other states which have implemented the LRFD Design Specifications: Maine, Vermont, New York, Pennsylvania, and New Jersey. These five non-Georgia bridges were completed in our Atlanta office in accordance with the latest Editions of the AASHTO LRFD Bridge Design Specifications. Not only is CHA's working knowledge and depth of experience with LRFD substantial, but our key bridge engineers have "hands on" use and first hand practical application of LRFD design applications.

In the area of comprehensive bridge design software, CHA has been equipped for LRFD design for over six years. We currently use the Bentley Suite (formerly LEAP software) for many of our LRFD bridge projects. RC Pier, within the Bentley Suite, was just recently upgraded to include design of pile bents. We also own licenses of the program FB-MultiPier, which we have found to be an invaluable tool in performing the lateral p-y curve analysis of pile caps and pile bents as required by the LRFD code. Our commercial bridge software programs are supplemented by a cadre of internally and externally developed spreadsheets and MathCAD sheets. CHA's bridge design team maximizes the familiarity with GDOT guidelines and Standard Specifications and couples it with the use industry-recognized technology to develop and optimize the most cost-effective and industry-compliant designs.

**C2 Key Team Leader Project Commitment Table**

| PI/Project # for GDOT Projects / Name of Customer for Non-GDOT Projects | Role of Key Team Leader on Project | Project Description   | Current Phase of Project  | Current Status of Project                                       |
|---|------------------------------------|---|---|---|
| <b>CHRIS EDMONDSON, PE</b>  |                                    |   |   |   |
| <b>PI Nos. 0006393, 0006877, 0007694</b>                                | Lead Highway Engineer              | SR 34/Newnan Bypass Southeast Segment, Coweta County              | FONSI submitted in April 2013; PFPR held in April 2013                                | NEPA Process 99% Plan Development 95% (FFPR in 11/13)           |
| <b>PI No. 0009323</b>   | Lead Highway Engineer              | I-85/Poplar Road Interchange, Coweta County                       | Draft EA submitted in April 2013  | NEPA Process 80% (Public Hearing in 11/13) Plan Development 40% |
| <b>Coweta County</b>  | Project Manager                    | Couch Road and Nixon Road Resurfacing, Coweta County              | Final Plan Preparation  | Final Plan Development 95%                                      |
| <b>KEVIN KAHLE, PE</b>  |                                    |   |   |   |
| <b>PI Nos. 0006393, 0006877, 0007694</b>                                | Lead Bridge Engineer               | SR 34/Newnan Bypass Southeast Segment, Coweta County              | FONSI submitted in April 2013; PFPR held in April 2013                                | Bridge Plan Development 95% (FFPR in 11/13)                     |
| <b>PI No. 0009323</b>   | Lead Bridge Engineer               | I-85/Poplar Road Interchange, Coweta County                       | Draft EA submitted in April 2013  | Bridge Plan Development 40% (Prelim Bridge Plans in 10/13)      |
| <b>PI No. 0006327</b>   | Lead Bridge Engineer               | West Winder Bypass  | Draft EA preparation  | Bridge Plan Development 20%                                     |
| <b>Walton County Water and Sewer Authority</b>                          | Lead Bridge Engineer               | Social Circle-Fairplay Road over Hard Labor Creek and Reedy Creek | In Construction   | Construction Support  |
| <b>TODD HILL, PP, AICP</b>  |                                    |   |   |   |
| <b>PI No. 0007171</b>   | Environmental Manager              | SR 97 at Big Slough Bridge Replacement, Decatur County            | Special Studies   | 80% complete  |
| <b>PI No. 122150</b>  | Environmental Manager              | US 129/SR 11 Widening, Jackson and Hall Counties                  | Special Studies   | 98% complete  |
| <b>PI Nos. 0006393, 0006877, 0007694</b>                                | Air/Noise Studies Manager          | SR34/Newnan Bypass Southeast Segment, Coweta County               | FONSI submitted in April 2013   | 99% complete  |
| <b>PI No. 0009323</b>   | Lead Ecologist                     | I-85/Poplar Road Interchange, Coweta County                       | Draft EA approved by FHWA in October 2013; Public Hearing scheduled for November 2013 | 80% complete  |