



NEWTON COUNTY
ENGINEERING SERVICES

DATE: MAY 9, 2018
TO: LLOYD KERR, COUNTY MANAGER
CHAIRMAN BANES
JACKIE SMITH



FROM: CHESTER CLEGG, P.E.
NEWTON CO. TRANSPORTATION ENGINEER

RE: PROFESSIONAL ENGINEERING SERVICES CHANGE ORDER
IRIS DR. BYPASS @ CROWELL RD. AND I-20

The Iris Dr. Bypass @ Crowell Rd. and I-20 project is currently in the concept phase. The Concept Report has been revised by Gresham, Smith and Partners (GS&P) per GDOT comments, and the report should be approved by GDOT within a few weeks. The project is on schedule, and the proposed let date is November 10, 2021. Construction should be complete by the end of 2022. I have attached the latest concept plan for you to review.

On July 1st, 2017 GDOT began enforcing additional requirements for preliminary engineering on FHWA funded projects. A new Intersection Control Evaluation (ICE) Policy was put in place to provide "traceability, transparency, consistency and accountability when identifying and selecting an intersection control solution." It is a new prescriptive process engineers are required to use to justify a 4-way stop, traffic signal, roundabout, etc. The new requirements were not included in the original scope of work for GS&P.

In addition, GDOT is requiring GS&P to update and expand the traffic study that was completed on the intersection in 2014. This update was also not included in the original scope of work since it was not anticipated at the beginning of the project.

GS&P has requested a change order for engineering services of \$40,700. I have attached the proposed scope of work. I recommend that the County approve a change order request by Gresham Smith Partners to complete the Crowell Rd. preliminary engineering. With fully funded FHWA projects, the County is responsible for 20% of the cost. County matching funds for this project come from 2011 SPLOST revenues.

CHANGE ORDER

To: Gresham, Smith and Partners
2325 Lakeview Pkwy., Suite 300
Alpharetta, GA 30009-7940

Project: PI #0015095 – Access Road @ I-20 From East of Crowell Rd. to West of Harold
Dobbs Rd.

You are hereby authorized and directed to make the following change(s) in accordance with the terms and conditions of the AGREEMENT dated October 17, 2017 :

Include in the Scope of Work additional items as listed in the attached Exhibit "A",

FOR the additive sum of: \$40,700.00 .

Current Agreement Amount:	<u>\$476,000.00</u>
This Change Order Add:	<u>\$40,700.00</u>
New Agreement Amount:	<u>\$516,700.00</u>

The time for completion shall be increased by 0 calendar days due to this Change Order. Accordingly, the completion date is January 23, 2023. Your acceptance of this Change Order shall constitute a modification to our Agreement and will be performed subject to all the same terms and conditions in our Agreement indicated above, as fully as if the same were repeated in this acceptance.

The adjustment, if any, to this Agreement shall constitute a full and final settlement of any and all claims arising out of or related to the change set forth herein.

OWNER:

Newton County Board of Commissioners

By *Marcello Banes*

Name Marcello Banes

Title Chairman, Board of Commissioners

CONSULTANT:

Company Gresham, Smith and Partners

By *Jody Braswell*

Name Jody Braswell

Title Principal

CHANGE ORDER, EXHIBIT "A"

PI #0015095

JUSTIFICATION FOR CHANGE ORDER:

GS&P completed traffic projection/forecasting studies for PI #0015095 under the original contract for services. However, since the studies were completed over two years ago, GDOT is requiring updated studies for the project. Updated traffic studies are not currently included in the contract for services with GS&P.

Georgia Department of Transportation revised its policy in the summer of 2017 to require an Intersection Control Analysis for projects that include major intersections during the preliminary engineering phase of FHWA funded projects. An ICE study was not included in the original contract with GS&P.

SCOPE OF SERVICES INCLUDED IN THIS CHANGE ORDER:

The CONSULTANT shall update the traffic projection/forecasting studies per GDOT requirements. The submittal shall include the following items:

- Development of updated Build and No-Build Base Year AADT (Annual Average Daily Traffic) – The CONSULTANT shall develop Base Year Build and No Build ADTs with 24 hour truck percentages, Single Unit Trucks, and Combination Trucks on a Microstation diagram showing turning movements.
- Development of updated Build and No-Build Design Year AADT (Annual Average Daily Traffic) – The CONSULTANT shall develop Design Year Build and No Build ADTs with 24 hour truck percentages, Single Unit Trucks, and Combination Trucks on a Microstation diagram showing turning movements.
- Development of updated Build and No-Build Base Year DHV (Design Hourly Volume) – The CONSULTANT shall develop Base Year Build and No Build No Build DHVs with Peak Hour Trucks, with Single Units, and Combination Trucks on a Microstation diagram showing turn movements.
- Development of updated Build and No-Build Design Year DHV (Design Hourly Volume) – The CONSULTANT shall develop Design Year Build and No Build DHVs with Peak Hour Trucks, with Single unit Trucks, Combination Trucks on a Microstation diagram showing turning movements.

- Development of Build and No-Build Base Year +2 AADT (Annual Average Daily Traffic) – The CONSULTANT shall develop Base Year Build and No Build ADTs with 24 hour truck percentages, Single Unit Trucks, and Combination Trucks on a Microstation diagram showing turning movements.
- Develop of Build and No-Build Design Year +2 AADT (Annual Average Daily Traffic) – The CONSULTANT shall develop Design Year Build and No Build ADTs with 24 hour truck percentages, Single Unit Trucks, and Combination Trucks on a Microstation diagram showing turning movements.
- Development of Build and No-Build Base Year +2 DHV (Design Hourly Volume) – The CONSULTANT shall develop Base Year Build and No Build DHVs with Peak Hour Trucks, with Single Units, and Combination Trucks on a Microstation diagram showing turning movements.
- Development of Build and No-Build Design Year +2 DHV (Design Hourly Volume) – The CONSULTANT shall develop Design Year Build and No Build DHVs with Peak Hour Trucks, with Single unit Trucks, Combination Trucks on a Microstation diagram showing turning movements.
- Perform Intersection Control Analysis per GDOT ICE Policy
- Prepare Traffic Engineering Reports

CONSULTANT DELIVERABLES:

1. Updated and approved Traffic Forecast
2. Phase 1 and Phase 2 ICE Analysis
3. Traffic Engineering Reports

