



May 9, 2022
Mr. Tommy Sanders
Director of Public Works
City of Cartersville

Dear Mr. Sanders,

We thank you for taking time to discuss the GDOT Project 0007494 Bartow – Douthit Ferry Road Widening with Southland Engineering.

The project is designed by the City through a Project Framework Agreement through GDOT using Local funds for Preliminary Engineering and Federal and State funds for construction. The project has policies, directive and scheduling that come directly from GDOT. We have encountered, over the course of design, some decisions by GDOT and FHWA and directives from them have caused additional work not covered in our original scope, in addition to rising cost and the time from the initial contract execution our subcontracts have requested a change in fees for final plans and right of way plans. The changes are environmental, final design of the bridge, and an updated traffic analysis and study. Below are the changes required and the reason for the changes.

A. Project Change of Scope Southland Engineering Inc

1. Redesign of the centerline due a decision by the GDOT Bridge Design Office. This includes rerunning the cross sections and tie-ins to meet the new centerline as well as other changes such as stations. This also includes coordination with GDOT and administrative Cost.

180 Hours @ \$90.00 / hr. (\$16,200.00)

2. Redo of the Life Cycle Cost Analysis and Pavement Type Selection Report. Coordination with GDOT is included.

90 Hours @ \$195 / hr. (\$17,550.00)

3. Coordinate with the additional environmental changes, bridge changes and traffic study.

10% of all Sub Consultants

TOTAL \$45,516.90

Total Southland Engineering - \$79,266.90

B. Change of Project Scope – New Traffic Counts and Study - Kimley Horn

A Traffic Study was completed by Kimley Horn by updating a previous traffic study at the direction of GDOT. FHWA determined that the study was not acceptable. GDOT had to redo several traffic studies on several projects due to this determination. We now are required to prepare new traffic counts and study to meet the requirements of GDOT and FHWA.

LUMP SUM - \$209,515.44

C. Project Change of Scope – Environmental – Edwards Pitman Environmental

Because the Traffic Study must be redone, this causes the Air and Noise study to be redone as well as Ecology, History, Archeology will be required to be updated due to the time required to complete the traffic study. The NEPA document must be updated due to the new traffic.

LUMP SUM – \$149,777.36

D. Change of Project Scope – Revise Bridge Plans – Haines-Gipson

This change order is due to a rise in cost and time between initial contract and actual work in addition to minor bridge design change due to centerline realignment.

LUMP SUM - \$79,060.20

E. Change of Project Scope – Additional Borings - GEOHYDRO

GDOT Required GEOHYDRO to drill deeper than expected on the bridge and walls. This led to the additional Cost on the project.

LUMP SUM - \$6,816.00

F. CHANGE ORDER REQUEST FEES

Southland Engineering is proposing a change order fee adjustment to cover the additional scope of work required by GDOT and FHWA directives. The changes are due to the reasons mentioned above. Our proposal is to provide the city with the lowest cost possible without incurring loss on the project. This would be to cover the employees cost in hours incurred and hard costs from the consultants.

Total Change Order Items A thru E = \$524,435.90



2022 Hourly Billing Rates

Engineering Services

Principal	\$ 195.00 / hr
Senior Engineer / Project Manager / Structural (5-6)	\$ 125.00 / hr
Staff Engineer (3-4)	\$ 105.00 / hr
Engineering Technician (1-2)	\$ 90.00 / hr
CADD Tech	\$ 70.00/hr
Landscape Architect	\$ 80.00/ hr
Construction Manager	\$ 80.00/ hr
Construction Inspector	\$ 75.00/hr
Administrative	\$ 48.00/ hr

Surveying Services

Registered Land Surveyor	\$ 130.00 / hr
Survey Technician	\$ 65.00 / hr
2-Man Crew	\$ 130.00 / hr
3-Man Crew	\$ 160.00 / hr