

**Columbus Consolidated Government
Council Meeting Agenda Item**

TO:	Mayor and Councilors
AGENDA SUBJECT:	GPS Survey Equipment for Engineering
INITIATED BY:	Finance Department

It is requested that Council approve the purchase of GPS Survey Equipment from Carlson Equipment and Software, LLC (St Augustine, FL), in the amount of \$29,135.50.

The Engineering Department is requesting the new GPS survey equipment for the Survey Crews field operation. GPS is used for many applications throughout the City, namely: Storm water inventory, Traffic Signal mapping, Road Projects, Landfill operations, along with many more.

Since 2003, the Engineering Department has used Carlson software to process all GPS data collected. Up until now, the Department used another Survey equipment company, Leica Geosystems, to support the Carlson software. As of today, Leica will no longer support Carlson Software on their equipment, unless it is an older model. The Department is also requesting the Carlson software to be loaded onto Tablets, and that capability is not available on any Leica equipment.

After doing some research and talking with local Surveyors, the Engineering Department found that the top three Survey Equipment companies, Leica, Topcon and Trimble, are not supporting Carlson software. Carlson has been aware of this for some time and have been manufacturing their own GPS and other Survey equipment since the City's last GPS equipment purchase. In addition, the price difference is significant. Leica's cost is approximately \$52,000 for 2 units, whereas, the 2 units from Carlson will cost approximately \$30,000.

The Engineering Department is currently in the process of changing the AutoCAD application from Civil 3D to Carlson Intellicad. This is going to create more efficient communication between the office and the field with data that has been collected. This will also allow Engineering to send data straight from the field to the office using the Carlson Cloud, eliminating transfer time.

Due to the software currently used by Engineering, the purchase of the survey equipment from Carlson is considered an only known source, in accordance with the Procurement Ordinance, Article 3-114.

Funds are budgeted in the FY20 Budget: Sewer Fund – Engineering – Drainage – Computer Equipment; 0202 – 250 – 2300 – DRAN – 7751.

A RESOLUTION

NO. _____

A RESOLUTION AUTHORIZING THE PURCHASE OF GPS SURVEY EQUIPMENT FROM CARLSON EQUIPMENT AND SOFTWARE, LLC (ST AUGUSTINE, FL), IN THE AMOUNT OF \$29,135.50.

WHEREAS, the Engineering Department is requesting the new GPS survey equipment for the Survey Crews field operation. GPS is used for many applications throughout the City, namely: Storm water inventory, Traffic Signal mapping, Road Projects, Landfill operations, along with many more; and,

WHEREAS, since 2003, the Engineering Department has used Carlson software to process all GPS data collected. Up until now, the Department used another Survey equipment company, Leica Geosystems, to support the Carlson software. As of today, Leica will no longer support Carlson Software on their equipment, unless it is an older model. The Department is also requesting the Carlson software to be loaded onto Tablets, and that capability is not available on any Leica equipment. After doing some research and talking with local Surveyors, the Engineering Department found that the top three Survey Equipment companies, Leica, Topcon and Trimble, are not supporting Carlson software. Carlson has been aware of this for some time and have been manufacturing their own GPS and other Survey equipment since the City’s last GPS equipment purchase. In addition, the price difference is significant. Leica’s cost is approximately \$52,000 for 2 units, whereas, the 2 units from Carlson will cost approximately \$30,000; and,

WHEREAS, due to the software currently used by Engineering, the purchase of the survey equipment from Carlson is considered an only known source, in accordance with the Procurement Ordinance, Article 3-114.

NOW, THEREFORE, THE COUNCIL OF COLUMBUS, GEORGIA, HEREBY RESOLVES AS FOLLOWS:

That the City Manager is hereby authorized to purchase GPS Survey Equipment from Carlson Equipment and Software, LLC (St Augustine, FL), in the amount of \$29,135.50. Funds are budgeted in the FY20 Budget: Sewer Fund – Engineering – Drainage – Computer Equipment; 0202 – 250 – 2300 – DRAN – 7751.

Introduced at a regular meeting of the Council of Columbus, Georgia, held the _____ day of _____, 2020 and adopted at said meeting by the affirmative vote of _____ members of said Council.

- Councilor Allen voting _____.
- Councilor Barnes voting _____.
- Councilor Crabb voting _____.
- Councilor Davis voting _____.
- Councilor Garrett voting _____.
- Councilor House voting _____.
- Councilor Huff voting _____.
- Councilor Thomas voting _____.
- Councilor Thompson voting _____.
- Councilor Woodson voting _____.

Sandra T. Davis, Clerk of Council

B.H. “Skip” Henderson III, Mayor