March 6, 2018

To: Scott County Board of Supervisors
From: Ray Weiser, GIS Coordinator

Re: Beacon GIS web hosting service from the Schneider Corp.

Scott County's property data is a critical resource for staff, county constituents and members of the larger public and business community. This data is maintained in-house using a variety of software applications and made widely available and accessible through web and GIS hosted services. Web usage statistics show that 25% of Scott County web traffic involves parcel and map data representing approximately 750,000 page views per month.

Today, these services are provided by two vendors: the Sidwell Company's Portico solution for our mapping needs, and the Schneider Corporation's Parcel Query product for parcel data reports. There is a collaborative cost sharing agreement between Scott County and both the Davenport and Scott County Assessors' offices to maintain these services.

Parcel Query carries a $7,560 annual hosting fee paid in alternating quarterly installments shared between the city and county assessors' offices.   A separate backfill service of $1,800 is paid annually by Scott County to push tax data into GIS feature classes. The Portico annual cost of $5,585 is paid by Scott County Information Technology. Total annual operating costs are: $15,215.
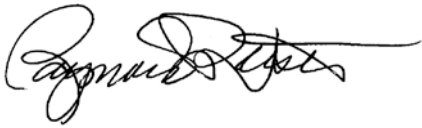
Hosting relationships with Sidwell and Schneider have been in place for eight and fifteen years respectively. However Schneider's product, Parcel Query, has reached end of life and is at risk of becoming unsupported. In response, a project team comprised of county and city staff representing the Davenport City Assessor, Scott County Assessor, Auditor, Recorder, Treasurer, and Information Technology offices was convened to address this risk and look at alternatives. Solutions from three vendors were considered including Sidwell, Schneider and CamaVision. Notes including cost estimates of the three solutions are included in *Attachment A: Product Comparison.*

After careful review, the project team recommends the Schneider Beacon product for your consideration and approval.

Scott County, Iowa
Geographic Information Systems
Information Technology Department

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The Schneider agreement is a five-year contract in the amount of $97,100. Continuing the tradition of inter-agency cost sharing, the project team proposes to split costs equally between Scott County, Davenport City Assessor, and the Scott County Assessor. Scott County's total five-year commitment is $33,872. It represents a prorated hosting and implementation fee of $3,772 for fiscal year 2018, with the balance of $30,100 in hosting fees paid in annual installments beginning fiscal year 2019 through the end of fiscal year 2023. If approved, the costs will be paid for out of the Scott County GIS CIP fund and IT operations budget.

Sincerely,

Ray Weiser
Scott County GIS Coordinator

Encl: Attachment A: "Product Comparison", Schneider Contract, Resolution.

Scott County, Iowa
Information Technology Department
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This Agreement is made and entered into by and between The Schneider Corporation also doing business as **qPublic**, an Indiana Corporation, whose place of business is 8901 Otis Avenue, Indianapolis, IN 46216 ("PROFESSIONAL") and **Scott County, Iowa; Scott County, Iowa Assessor; Davenport City Assessor;** whose place of business is**: 600 West 4th Street, Davenport, IA 52801** ("CLIENT").

1   Services.

PROFESSIONAL shall provide CLIENT with the following services ("Services"):

A.   **Beacon Portal Development**

Development of a publicly accessible (or restricted access if chosen) web-based property information portal featuring land assessment, taxation, CAMA, and digital map data utilizing existing real estate and GIS datasets provided to Professional by Client. This site will include the following:

a.   Property ownership, location, valuation, recording, and tax information from Client's property tax administration system Tyler Incode.
b.   Detailed residential, commercial, and agricultural land and improvements information from Client's CAMA real estate system Vanguard.
c.   Property sales history from Client's CAMA real estate system (if available).
d.   Property Sketches (if available, and provided by CLIENT in a web-friendly image file format).
e.   Property Photos (if available, and provided by CLIENT in a web-friendly image file format).
f.   ESRI compatible vector and raster spatial data from Client's existing GIS data sources.
g.   Interactive GIS mapping interface including navigation tools such as zoom in, zoom out, dynamic and fixed panning, feature selection and query, interactive overview map, and legend. Also included are map tools to measure distance and area, buffer selected features, zoom to scale, identify features, and map printing to multiple paper sizes.
h.   Dynamic relationship between parcel reports and an Internet map service. This will allow the user to search for a property and be taken directly to the queried parcel on the map, and alternatively select a parcel on the map and be taken directly to the specific report(s) associated with the parcel.
i.   Additional features available to all real estate web site clients, including multiple search criteria, dynamic user help guides, Client contact information, and user feedback forms.
j.   Professional will provide an automated routine to transfer data from Client's local computer data sources to Professional's servers over a high speed Internet connection. This automated routine can be scheduled to update data to the website on a regular basis
k.   Additional components elected by Clients (descriptions to add on modules can be found at www.schneidercorp.com/B-Q-addons)
    • Website Branding
        o Includes the following custom CLIENT based website branding enhancements:
            ▪ Replacement of the Beacon web page header logo with a single CLIENT branded logo, having the same image dimensions and placement location on the web page.
            ▪ Replacement of the Beacon printed report / printed map header logo with a single CLIENT branded logo, having the same image dimensions and placement location on the web page.
            ▪ Change the page tab navigation bar (below the header) to a hex color code of CLIENT's choosing.
            ▪ Removal of Schneider header and footer logos and social media hyperlinked icons.

    • Mailing Labels Generator
    • Account Management
    • Comparables Search
    • Comparables Results Export
    • Document Access

www.schneidercorp.com

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8901 Otis Avenue
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West Lafayette, Indiana
1330 Win Hentschel Blvd
Suite 260
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Charlotte, North Carolina
8307 University Executive Park Dr
Suite 220
Charlotte, NC 28262

DeLand, Florida
112 W. New York Ave
Suite 216
DeLand, FL 32720

B. **Beacon Portal Customizations**

    a. **Site Domain Name –** Professional will configure the Beacon Portal site to be accessible at a hostname URL of https://parcels.scottcountyiowa.com.

    b. **Parcel Search Start Page –** Professional will modify the Beacon Portal's parcel search results module to query based on search criteria submitted from CLIENT's front end parcel search web page at https://www.scottcountyiowa.com/parcels, using URL query string parameters for address, parcel number, owner name, and doing business as (DBA).

    c. **Portal usage reporting to CLIENT's Google Analytics account** – Professional will modify Beacon Portal's Google Analytics tracking to report usage for CLIENT's Beacon Portal application to CLIENT's Google Analytics account.

    d. **Submit Data Correction Tool** – Professional will configure the Beacon Parcel Report's Submit Data Correction tool, for CLIENT's Beacon site, to send users to CLIENT's front-end website feedback form at https://www.scottcountyiowa.com/contactus?sendto=parcels-assessor.

    e. **Professional agrees to make ongoing updates to the Beacon Portal to work towards web accessibility compliance, based on WCAG 2.0 AA guidelines. Updates will be made at Professional's discretion.**

C. **Beacon Portal Hosting and Maintenance**

PROFESSIONAL shall host and maintain of the above described portal for the term of this Agreement.

PROFESSIONAL'S web data server environment includes a redundant/fail over power system, multiple power sources and long term generator power, and multiple entry points for Internet bandwidth from different providers for increased reliability. Services include automated transfer of data updates, mutually agreed upon website improvements and modifications, and regular functionality enhancements through the web hosting period. Services related to connecting to new versions of existing third party databases and services related to connecting to new databases in the event of a change in third party providers are not covered by this Agreement. PROFESSIONAL will also maintain website usage statistics which can be viewed by CLIENT staff through an interface. Certain onsite hardware and software configurations may require additional third party software (not included in this Agreement). The update feature requires CLIENT to maintain a dedicated high speed Internet access. Services also include monitoring of PROFESSIONAL'S web servers on a 24/7 basis; however, because of infrastructure issues beyond the control of PROFESSIONAL'S staff, web services are not guaranteed to be available 24 hours per day, 7 days per week.

2   Payment for Services.

CLIENT shall compensate PROFESSIONAL for the Services as follows:

    1. **Beacon**

        a. **One-time setup cost:** ~~$16,800~~ **$6,800**

Setup items:

Core Setup	Included
Website Branding	Included
Mailing Labels Generator	Included
Comparables Results Export	Included
Custom Site Domain Name	Included
Custom Parcel Search Start Page	Included
Custom Google Analytics Account	Included
<< Client Discount>>	($10,000) (ISAC Promo Discount)
Total:	**$6,800**

        b. **Annual Hosting:** **$18,060**

Hosting items:

Core Hosting	Included
Map (Esri)	Included
Account Management	Included
Comparables Search	Included
Document Access	Included

    2. **Payment Schedule**

        Year 1   April 1, 2018 – June 30, 2018: Setup: $6,800, Hosting: $4,515 (Prorated)
        Year 2   July 1, 2018 – June 30, 2019: $18,060
        Year 3   July 1, 2019 – June 30, 2020: $18,060

Year 4 July 1, 2020 – June 30, 2021: $18,060
Year 5 July 1, 2021 – June 30, 2022: $18,060
Year 6 July 1, 2022 – June 30, 2023: $18,060

Scott County, Scott County Assessor, and Davenport City Assessor will be invoiced separately. The Client(s) must establish in writing the amount each party will pay along with specific mailing addresses.

3. **Project Schedule**
   a. **Portal Development**
      i. Professional requires the following information and technical assistance from the Client to access data sources defined in the Scope of Services.
         1. Database connection information
         2. Server name or IP address.
         3. Database name.
         4. User login information for read access.
         5. Data dictionary or schema, as available.

      ii. Network paths to all file data sources.
      iii. Installation of Professional's Remote Support application on a computer with network access to the Client's data sources and files.
      iv. All information must be provided by the Client to the Professional at least 21 days prior to the start of the Initial Hosting Term, defined below, to ensure that all data will be available on the portal at the start of the Initial Hosting Term.

   b. **Portal Hosting and Maintenance**
      i. The Initial Hosting Term shall be defined in the Scope of Service or Payment Schedule above.
      ii. The Initial Hosting Term shall begin at the date above regardless of project delays resulting from Client's failure to provide Professional with information required to access project data sources according to the project schedule. Any project delays on the part of the Professional will result in the initial hosting term starting the first day of the first month following the completion of the portal's development and release from Professional to Client.

Invoicing will be done on an annual basis at the beginning of the term unless otherwise specified.

Balances due 30 days after the due date for non-government clients and 60 days after the due date for government clients shall be assessed an interest rate of 1½ % per month (18% per year). CLIENT agrees to pay for any and all costs of collection including, but not limited to interest, lien costs, court costs, expert fees, attorney's fees and other fees or costs involved in or arising out of collecting any unpaid or past due balances, including late fees or penalties. If payment is not received within 30 days of the due date, PROFESSIONAL reserves the right, after giving seven (7) days written notice to CLIENT, to suspend services to CLIENT or to terminate this Agreement.

3 **Terms of Service.** Each party's rights and responsibilities under this Agreement are conditioned upon and subject to the Terms of Service which can be found at http://schneidercorp.com/termsofservice/. By executing this Agreement, CLIENT acknowledges that it has read the above-described Terms of Service and agrees that such Terms of Service are incorporated herein and made a part of this Agreement. PROFESSIONAL reserves the right to update or modify the Terms of Service upon ten (10) days prior notice to CLIENT. Such notice may be provided by PROFESSIONAL to CLIENT by e-mail.

4 **Term, Termination and Renewal.** The initial term of this Agreement shall be defined in the Scope of Service or Payment Schedule above. If the services provided are for an annual rate and extend for multiple years, PROFESSIONAL will prorate the first year of the agreement to match the fiscal year for the CLIENT, followed by consecutive, 12- month periods. This Agreement shall automatically renew for successive terms which consist of a twelve (12) month period, subject to earlier termination as set forth in this Agreement or upon written notification by either party thirty (30) days prior to the end of a term. If, for any reason, this Agreement is terminated prior to the end of a term, any waived or discounted fees or specified promotional items provided by PROFESSIONAL shall be invoiced by PROFESSIONAL and paid by CLIENT.

5 **Assignment.** Neither PROFESSIONAL nor CLIENT shall assign or transfer any rights under or interest in this Agreement without the prior written consent of the other party. Nothing in this paragraph shall, however, prevent PROFESSIONAL from employing consultants or subcontractors to assist in the performance of the Services, or for the PROFESSIONAL from assigning the agreement to wholly (or majority) owned subsidiaries.

6   **Rights and Benefits.** Nothing in this Agreement shall be construed to give any rights or benefits in this Agreement to anyone other than CLIENT and PROFESSIONAL. CLIENT and PROFESSIONAL expressly state there are no third party beneficiaries to this Agreement.

7   **Successors.** This Agreement is binding on the partners, successors, executors, administrators and assigns of both parties.

8   **Applicable Law.** The terms and conditions of this Agreement are subject to the laws of the State of Indiana.

     IN WITNESS WHEREOF, the Parties have executed this Agreement by affixing their signatures below.

Pricing is valid through <u>March 31, 2018.</u>

PROFESSIONAL:	**CLIENT**:
The Schneider Corporation	Scott County, Iowa Assessor
By: _____	By: _____
Print: _____	Print: _____
Title: _____	Title: _____
Date: _____	Date: _____

CLIENT:	**CLIENT**:
Scott County, Iowa	Davenport City, Iowa Assessor
By: _____	By: _____
Print: _____	Print: _____
Title: _____	Title: _____
Date: _____	Date: _____

Attachment A: Product Comparison

Existing Solution: Sidwell Portico and Schneider Parcel Query applications.

Summary: Portico and Parcel Query work together to provide a complete mapping and parcel public access tool. However, Parcel Query is approaching end of life and is at risk of being deprecated and unsupported by Schneider as their product development focuses increasingly on their standard Beacon hosting solution.

Costs: Parcel Query carries a $7,560 annual hosting fee paid in alternating quarterly installments shared between city and county assessors' offices.   A separate backfill service of $1,800 is paid annually by Scott County to push tax data into GIS feature classes. Portico annual cost of $5,585 is paid by Scott County Information Technology. Total annual operating cost: $15,215.

Option 1: Sidwell Portico 3

Summary: Sidwell's new Portico 3 is an improved version of our existing map product, with added functions and tools provided by a third party extension product they've recently adopted. Portico is however very map-centric meaning that there is little emphasis on parcel reporting. Consequently, as a product replacement for Parcel Query, it falls short. There is no capability to pull source data from county/city appraisal and tax databases. This solution relies on county/city or third party vendors to extract and transfer tax and appraisal parcel data. Even were the data available, there is limited display/reporting functionality. Data would be appended to existing GIS data features and displayed in data panels docked to the sides of the mapping interface. Critical functions such as comp search tools were non-existent. Custom data handling and functionality is possible, but was not demonstrated or priced. Without a backfill solution to push tax and appraisal data into GIS or other web-ready data formats, and limited parcel data reporting tools this is not a standalone product.

Costs: Portico 3 is offered at the current annual hosting cost of $5,585 per year. No backfill service available.

Option 2: Vanguard Web Hosting Services

Summary: Vanguard Appraisals, Inc offers a web hosting solution with both parcel reporting and mapping functionality. Because Vanguard is the author of our city and county CAMA software, they have an unparalleled understanding of it and are able to extract and display this information in their online application. There are security and accessibility concerns with their solution and the interface seemed dated. The Vanguard mapping component underwhelmed. For example, there was no way to view multiple property comparables on a map.   Finally, while the appraisal data was expectedly well handled, they are unable to extract data from our tax system. Their solution is to backfill tax data into CAMA or for us to provide tax database extracts to them for custom integration. It could be paired with Portico 3 to enhance the mapping but there is no tax data alternative that compares favorably to Parcel Query. As such, we did not consider this a standalone product.

Costs: Vanguard web hosting services with discounts for multi-year contract and both city and county participation is $12,994 per year. No backfill service available.

Option 3: Schneider Beacon

Summary: The Schneider Beacon product was the <u>only</u> option evaluated that demonstrated the ability to extract data from both our appraisal and tax databases. Other vendors relied on some combination of city/county or third party vendors to accomplish this despite the fact that those approaches are unproven and/or incomplete solutions. Beacon, in part because it is capable of pulling data from local sources, is better able to display our property maps and records as a single, cohesive product. There are no links to disparate systems, each handling one aspect of the parcel data application.

Because the existing Parcel Query application is a Schneider product, they were able to retain many of the existing features and functionality within Beacon. This includes analytics, branding, feedback and other customizations. Schneider also made a commitment to meet emerging web accessibility standards.

Beacon offers all existing map and parcel reporting functions within our current solution. The platform is mobile friendly and GPS aware (i.e. maps move with you on mobile devices). Additional functions such as field data entry, ag soils display, assessment appeal, and account management (to set up restricted access) extend our current services. Some functions are included in the core product while others are offered as optional, paid add-ons.

Under the Beacon agreement, we are able to add as many map layers to the interface as we want at no additional cost. So for example, flood zones, land use, historic aerial imagery, elevation contours, soils layers, etc. can all be added under the current contract. Combined with the aforementioned account management function, we can even restrict certain layers to staff only (e.g. building permits).

The Beacon product is priced higher than the alternatives, but was the only one to provide services comparable to our current parcel data hosting application.

Costs: Beacon hosting $18,060 per year plus $6,800 onetime implementation fees and annual $1,800 backfill service.

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

March 8, 2018

APPROVAL OF CONTRACT WITH SCHNEIDER CORPORATION FOR THE BEACON
GIS WEB HOSTING SERVICE.

BE IT RESOLVED BY the Scott County Board of Supervisors as follows:

Section 1.   That the five-year contract in the total amount of $33,872 with the Schneider Company for hosting and implementation of the Beacon Web GIS hosting solution is hereby approved.

Section 2.   That the contract represents prorated hosting and implementation fees of $3,772 for fiscal year 2018, with the balance of $30,100 paid in annual installments of $6,020 through end of fiscal year 2023.

Section 3.   That the Chairman is hereby authorized to sign said agreement.

Section 4.   This resolution shall take effect immediately.