



THE FLORIDA SURVEYOR

April 2021
Volume XXIX, Issue 4

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Surveying Proclamations

Exhibitor & Sponsor Opportunities

UF: School of Forest, Fisheries, and Geomatics Sciences

Renaming Ceremony

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Clearwater Beach, FL
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PRESIDENT'S message

A couple of months ago, I was asked by the airport manager of the City of Arcadia Municipal Airport how to layout a "compass rose" – interesting question, and not something I have done before.

A little background – all aircraft are required to be equipped with a compass to be used for navigation. In the pre-GPS days, basic navigation was a "map and compass", flying a heading and following along a map to verify where you are.

As the compass was vital to navigation, when electronic equipment was added to an airplane, or the compass was changed, the compass needed to be calibrated, to verify it was indicating the correct magnetic directions – this was called "swinging the compass". The plane would be parked over a compass rose, painted on the ramp, and pointed in various directions, and the compass adjusted, and errors recorded on a compass card.

Nowadays, compasses are adjusted differently, but the compass rose is a classic looking element to any airport.

The compass rose for Arcadia needed to be oriented to magnetic north, and the volunteers who paint it, need 4 corners for North / South / East / West to lay it out, and that is where I come in.

My first thought is "how to get magnetic north". We have all the tools – GPS, robotic Total Stations, etc. I could use GPS to set a couple of control points with State Plane coordinates, calculate the convergence angle to get true north, then apply the current magnetic declination, then use a Total Station to set the 4 point – that REALLY seemed like a lot of math, and too easy to make a mistake. My solution - an old W & L.E. Gurley transit with a built-in magnetic compass and a 100' survey chain. I just happen to have one sitting around the house, that belonged to my Grandfather, and first FSMS President, H.O. Peters.

With a little help from a "volunteer survey crew", I was able to set up over a nail with a plum bob, remember how to read a vernier, and turn angles with "upper and lower motion". We had the 4 points set for the compass rose in less than an hour. Thanks Grandad for letting us use your transit, the old "Gurley" did a great job!

Don't forget our 66th Annual FSMS Conference is ON SCHEDULE for July 28 – 31, at the Sawgrass Marriott Resort & Spa, in Ponte Vedra Beach, Florida. Please plan on attending, and we have plenty of [EXHIBITOR](#) & [SPONSORSHIP](#) opportunities to show off your business to your fellow Surveyors. I am excited to see everyone in person again!

See: accompanying photos to this message on page 24.



President

Hal Peters

(352) 304-9534

hpeters@gpinet.com

Florida Surveying & Mapping Society

2021 Exhibitor Opportunities

July 28-31
66th Annual Conference



*Sawgrass Marriott Golf Resort & Spa
Ponte Vedra Beach, FL*

**CLICK HERE TO DISCOVER
EXHIBITOR OPPORTUNITIES!**

Florida Surveying & Mapping Society

2021 Sponsorship Opportunities



July 28-31
66th Annual Conference

*Marriott Sawgrass Golf Resort & Spa
Ponte Vedra Beach, FL*



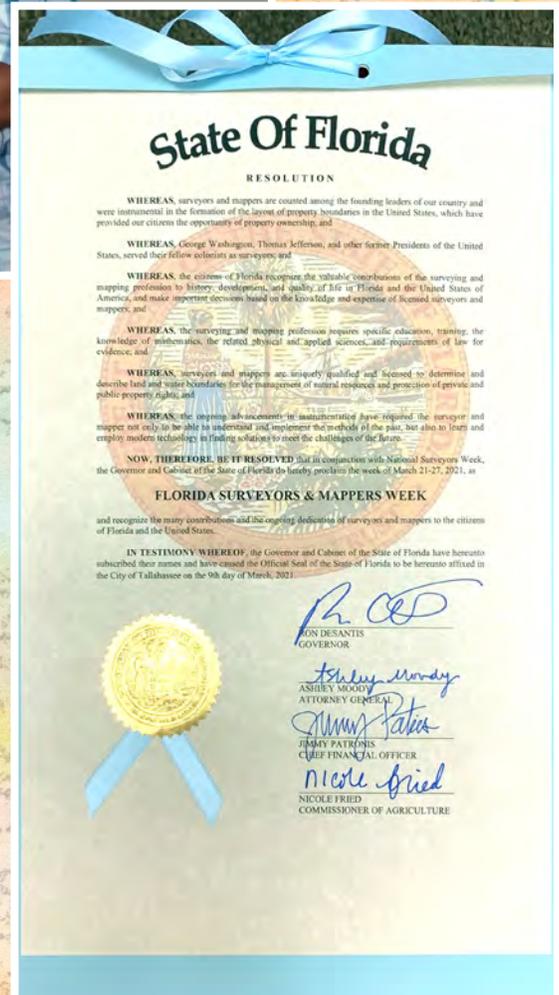
A variety of sponsorship opportunities are available to fit any budget. As a sponsor, your company name and logo will be listed on FSMS.org, in the Conference Program Book, and in our monthly publication, *The Florida Surveyor*.

**CLICK HERE TO DISCOVER
SPONSORSHIP OPPORTUNITIES!**

Around the State



Left: Executive Director of Florida Board of Professional Surveyors and Mappers Liz Compton and FSMS Executive Director, Tom Steckler pose at FSMS headquarters with the State of Florida proclamation.





An interesting story from Rick Pryce:

“Back in November, I was searching for the NGS Immokalee monument (PID AD7519) set in 1956 on private property. When we finally found it the bronze disk and a portion of the 12” square concrete had been cleanly sheared off so that the disk impression was still visible. Sad to see something destroyed that had been set 65 years before and had stood there like a guarding it’s geodetic position so proudly. Odd also was that it was such a clean cut.

While the crew was cleaning up and putting the GPS away the old farmer owner of the property pulled up in his pickup truck to see what we were doing. I told him about the monument and how long it had been there and asked him if he knew about it? He said he didn’t but wished he did because his large tractor mower hit it about two years ago.

Anyways he said, but what about that other monument in the tree, and pointed to the east, maybe that one will help you. So we walked in his direction and point to the other monument. I smiled said yep that one was well protected and should last a long time if that tree has anything to say about it.”

DEWBERRY WELCOMES GIS PROJECT MANAGER BRYAN DESLAURIERS



Deslauriers joins firm in Tampa, Florida.

Fairfax, VA—March 5, 2021

Dewberry, a privately held professional services firm, has announced that Bryan Deslauriers, CP, PMP, has joined the firm as a project manager in the Tampa, Florida, office.

Deslauriers joins the firm with more than 16 years of experience in the geospatial industry with a background in photogrammetry, remote sensing, feature extraction, and geographic information systems (GIS). During his career, Deslauriers has supported a variety of clients at the state/local and federal level, including the National Oceanic and Atmospheric Administration, U.S. Army Corps of Engineers, Environmental Protection Agency, state departments of transportation, and water management districts.

“We’re very excited to welcome Bryan to our team,” says Associate Vice President and Program Manager Mark Safran, CP. “His background as a coastal and environmental mapping specialist and geospatial technologies will offer great benefits to our clients across the state/local, federal, and commercial markets.”

Deslauriers earned a bachelor’s degree in earth sciences from Frostburg State University (2004) and is an active member of the American Society for Photogrammetry and Remote Sensing, Coastal and Estuarine Research Federation, Florida Surveying and Mapping Society, and the Project Management Institute.

About Dewberry

Dewberry is a leading, market-facing firm with a proven history of providing professional services to a wide variety of public- and private-sector clients. Recognized for combining unsurpassed commitment to client service with deep subject matter expertise, Dewberry is dedicated to solving clients’ most complex challenges and transforming their communities. Established in 1956, Dewberry is headquartered in Fairfax, Virginia, with more than 50 locations and 2,000+ professionals nationwide. To learn more, visit www.dewberry.com.

To view this press release online, please visit this [link](#).



BRYAN DESLAURIERS Photo courtesy of Dewberry.

###

NEWS RELEASE

Trimble Announces Rugged, Lightweight Field Data Controller for Land and Construction Surveying

*Trimble TSC5 Controller with 5-inch Screen, Keypad and Android Operating System
Enables All-Day Field Data Collection in Harsh Environments*

SUNNYVALE, Calif., March 2, 2021—Trimble (NASDAQ: TRMB) introduced today the Trimble® TSC5 Controller, a new rugged-yet-lightweight field solution that continues Trimble’s legacy of creating high-quality controllers for land and civil construction surveyors. Built for practical, everyday tasks, the Trimble TSC5 combines high performance and dependability so professionals can complete tasks efficiently and accurately.

The Trimble TSC5 features a 5-inch screen, keypad and all-day battery for reliable field data collection. Its ergonomic design is lightweight, easy to grip and ideal for rugged environments. The TSC5 is resistant to shock, dust and water. A brightly lit, anti-glare screen and backlit alphanumeric keypad enable fast, efficient operation in tough conditions, even while wearing gloves. The controller’s battery provides all-day power on a single charge, with the optional external battery nearly doubling the power for extended use.

Featuring an Android 10 operating system, the Trimble TSC5 is fully integrated with Trimble’s land and construction surveying instruments and software packages, including Trimble Access™ 2021 Field Software, Trimble Siteworks Software. In addition, the controller can be used with Trimble Forensics Capture. The TSC5 is also compatible with the Trimble EMPOWER Module system, which includes the ability to add the EM100 (GNSS), EM11X family (RFID/Barcode) and EM120 (Long Range Radio) modules.

“Surveyors expect to encounter challenging environments and must rely on their equipment to perform as expected in harsh conditions,” said Ron Bisio, senior vice president, Trimble Geospatial. “The TSC5 controller is a high-value, reliable solution that land surveyors can leverage for field data collection tasks performed all day, every day.”

“Civil construction surveyors trust Trimble to provide rugged, reliable hardware that connects them to the Trimble Connected Construction ecosystem,” said Scott Crozier, vice president, Trimble Civil Construction. “The TSC5 is a great addition to our family of connected controllers, giving contractors the ability to choose the solution that best fits their needs and budget.”

Availability

The Trimble TSC5 Controller running the Trimble Access field software is now available through Trimble’s Geospatial distribution partners. For more information, visit: geospatial.trimble.com/trimble-tsc5.

The Trimble TSC5 Controller and Trimble Siteworks Software are available now through the global SITECH® distribution channel. For more information, visit: heavyindustry.trimble.com/controllers.

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming industries such as agriculture, construction, geospatial and transportation. For more information about Trimble (NASDAQ:TRMB), visit: www.trimble.com.

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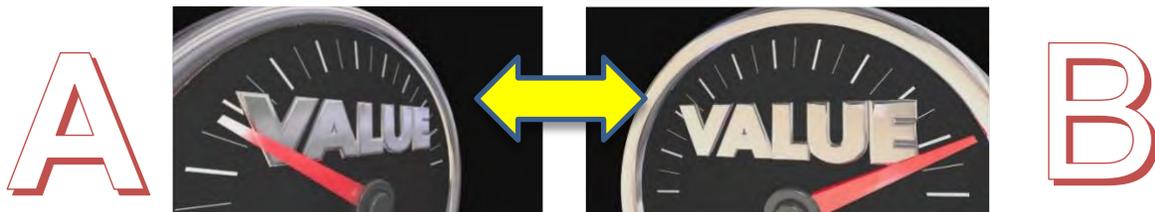
Increase Your Business' Value by Increasing Goodwill.



Business value is the total value of the physical assets of the business and the value of goodwill. The physical assets consist of automobiles, equipment, computers, software, account receivables, etc. Goodwill is based on future cash flow the business will generate, name, and reputation in the marketplace. With that said, name and reputation contribute to future cash flow by making it easier for the business to

acquire new work and generate future cash flow. This also helps to minimize risk because clients are comfortable with the product quality.

Do you know that you can have **two businesses** in the same market, doing the **same** thing and earning the **same** amount of money, yet they have **dramatically different values**?



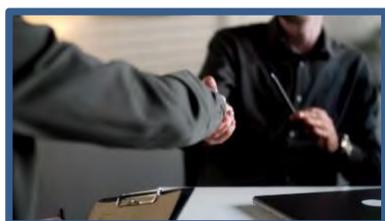
Suppose owner A works 70 hours a week, never takes a vacation, is the sole decision-maker, and does all of the business development. Suppose Owner B has a management team that does business development, works closely with the clients, responds to most of the questions, takes two weeks off in the summer, two weeks off in the winter, and works a half-days on Friday. Would you pay more to purchase business B?



Time and significant effort will be required to separate owner A from the business. Also, there is an elevated risk level because it is unknown if clients stay with the new owner. By the owner being a spoke in the wheel and not the wheel, the more valuable the company. To increase business value, the owner needs to diminish their role and expand their employees' roles. This means that other people should be doing business development, interacting with clients, and answering the basic questions.

When it comes to architecture, engineering, and land surveying businesses, the employees' licenses, certifications, and credentials significantly impact the business's value. The typical buyer needs people to do the work, and there is currently a shortage of skilled workers in these industries.

Sometimes, companies are being purchased for the employees to help with the current work of the buyer. A skilled workforce increases the value of the business. The longer the selling company has employed the key employees, the more attached and more likely they will stay after acquired by the new owner. This increases the goodwill because a buyer does not want to purchase a company for the key employees to leave shortly after the acquisition.



Profitable, repeat clients are a strong indication of future cash flow and reduced risk. This increases goodwill and business value. Business clients and government clients are perceived to be more valuable than consumers because of the projects' size and potentially better profit margins. Larger projects lead to a more substantial pipeline of future work, increasing future cash flow, and reduced risk from downtime.

Opportunities for growth from geographic expansion, new product offerings, and new clients increase future cash flow and reduce risk. The owner needs to prove these growth opportunities exist by securing some of the opportunities. In summary, future cash flow and reduced risk increase the goodwill, a driving factor of business value.

Allen Business Advisors www.allenbusinessadvisors.com is a business brokerage firm that specializes in selling architectural, engineering, and land surveying businesses. John Allen was a Commercial Loan Officer before he founded Allen Business Advisors.

PROCLAMATION

DESIGNATING THE WEEK OF MARCH 21-27, 2021, AS NATIONAL SURVEYORS WEEK

WHEREAS, land surveyors are counted among the founding leaders of our county and were instrumental in the formation of the layout of property boundaries in the United States, providing our citizens the opportunity to enjoy the American dream of property ownership; and,

WHEREAS, United States Presidents Washington, Jefferson, Adams, and Lincoln all served as surveyors, contributing to the historical mapping of America in its early years; and,

WHEREAS, the surveying profession requires special education, training, knowledge of mathematics and related physical and applied sciences, and requirements of law for evidence; and,

WHEREAS, surveyors are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights; and,

WHEREAS, the continual advancements in instrumentation have required the surveyor to not only be able to understand and implement the methods of the past, but also to learn and employ modern technology as changes occur through the years; and,

WHEREAS, the citizens of Indian River County recognize the valuable contributions of the surveying profession to history, development, and quality of life throughout our country, and make important decisions based on the knowledge and expertise of licensed surveyors and mappers.

NOW, THEREFORE, BE IT PROCLAIMED BY THE BOARD OF COUNTY COMMISSIONERS, INDIAN RIVER COUNTY, FLORIDA that the week of March 21 through 27, 2021, be designated as "National Surveyors Week" in Indian River County, and the Board encourages all citizens to recognize the many contributions and ongoing dedication of surveyors to our community and throughout the United States.

Adopted this 16th day of March, 2021.

**BOARD OF COUNTY COMMISSIONERS
INDIAN RIVER COUNTY, FLORIDA**



Joseph E. Flescher

Joseph E. Flescher, Chairman

Peter D. O'Bryan

Peter D. O'Bryan, Vice-Chairman

Susan Adams

Susan Adams

Joseph H. Earman

Joseph H. Earman

Laura Moss

Laura Moss



**Before the Board of County Commissioners
Martin County, Florida**

A Proclamation

Declaring Surveyors and Mappers Week in Martin County, Florida

Whereas, surveyors and mappers are counted among the founding leaders of our country and were instrumental in the formation of the layout of property boundaries in the United States which have provided our citizens the enjoyment of property ownership; and

Whereas, the citizens of Florida recognize the valuable contributions of the surveying and mapping profession to history, development, and quality of life in Florida and the United States of America and make important decisions based on the knowledge and expertise of licensed surveyors and mappers; and

Whereas, the surveying and mapping profession requires special education, training, the knowledge of mathematics, the related physical and applied sciences, and requirements of law for evidence; and

Whereas, the continual advancements in instrumentation have required the surveyor and mapper not only to be able to understand and implement the methods of the past, but also to learn and employ modern technology in finding solutions to meet the challenges of the future.

Now, therefore, be it proclaimed by the Martin County Board of County Commissioners that the week of March 21-27, 2021 is Surveyors and Mappers Week in Martin County. Further, the Board acknowledges the men and women of this profession for their diligence in meeting the continuing needs of our communities.

Presented this Twenty-third Day of March 2021

ATTEST:

CAROLYN TIMMANN, CLERK OF THE
CIRCUIT COURT AND COMPTROLLER

BOARD OF COUNTY COMMISSIONERS

STACEY HETHERINGTON, CHAIR
DOUG SMITH, VICE CHAIRMAN
HAROLD E. JENKINS II, COMMISSIONER
SARAH HEARD, COMMISSIONER
EDWARD V. CIAMPI, COMMISSIONER

RESOLUTION NO. 21-035
A RESOLUTION PROCLAIMING THE WEEK OF MARCH 21-27, 2021 AS
"NATIONAL SURVEYORS WEEK" IN ST. LUCIE COUNTY, FLORIDA

WHEREAS, the Board of County Commissioners of St. Lucie County, Florida, has made the following determinations:

1. Land Surveyors are counted among the founding leaders of our country and were instrumental in the formation of the layout of property boundaries in the United States, providing our citizens the opportunity to enjoy the American dream of property ownership.
2. United States Presidents George Washington, Thomas Jefferson, John Adams and Abraham Lincoln all served as surveyors, contributing to the historical mapping of America in its early years.
3. The surveying profession requires special education, training, knowledge of mathematics, the related physical and applied sciences, and requirements of law for evidence.
4. Surveyors are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights.
5. The continual advancements in instrumentation have required the surveyor to not only be able to understand and implement the methods of the past, but also to learn and employ modern technology in finding solutions to meet the challenges of time.
6. The citizens of St. Lucie County, Florida recognize the valuable contributions of the surveying profession to history, development, and quality of life throughout our country, and make important decisions based on the knowledge and expertise of licensed surveyors and mappers.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of St. Lucie County, Florida:

1. This Board does hereby proclaim the week of March 21-27, 2021 as **"NATIONAL SURVEYORS WEEK"** in St. Lucie County, Florida.
2. This Board encourages all citizens to recognize the many contributions and the ongoing dedication of surveyors to our community and throughout the United States.

PASSED AND DULY ADOPTED this 23rd day of March 2021.

ATTEST:



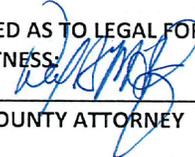
DEPUTY CLERK



BOARD OF COUNTY COMMISSIONERS
ST. LUCIE COUNTY, FLORIDA

BY: 

CHAIR

APPROVED AS TO LEGAL FORM AND
CORRECTNESS: 

COUNTY ATTORNEY

Proclamation



WHEREAS: **National Surveyors Week** was established by the National Society of Professional Surveyors as an annual event to bring public recognition to the surveying profession and the vital services surveyors provide to the advancement and betterment of human welfare. During this week, thousands of professional surveyors throughout the country will take part in local activities designed to introduce a new generation to the profession and highlight the use of technology in their day-to-day work; and

WHEREAS: surveying has been a part of the advancement of civilization since the beginning of recorded history. It's necessary to plan and build most earth-bound projects. The first examples in the history of land surveying date back to the ancient Egyptians during the building of the Great Pyramid at Giza in 2700 BC; and

WHEREAS: three of the United States Presidents on Mount Rushmore were also Surveyors at one point in their lives, Washington, Jefferson, and Abraham Lincoln. Thomas Jefferson was the one who developed the Public Land Survey System (PLSS) that is still used in all states except the original 13 colonies to describe and sell the lands acquired to the Public to help fund the United States and build our country; and

WHEREAS: the Bureau of Labor Statistics says there are 43,400 surveyors in the United States. Surveyors are skilled or familiar with several fields: geometry, trigonometry, regression analysis, physics, engineering, meteorology, programming languages, and the law; and

WHEREAS: several well-known and respected Surveyors in our area that were pertinent to the early exploration, development, building, and platting of lands, roads, bridges and institutions in this County. Former surveyors such as William (Bill) Keith, James W. & Robert McLaughlin, Eugene Stoner, Maurice E. Berry, Harry Schwebke, James Shiskin, and Robert P. Legg to name a few, have all left their marks and built upon those that came before them. All of these Surveyors and the ones that they trained, inspired, and came after them, and those that are now graduating with Surveying degrees will continue in their footsteps and expand with the technology of today to Survey, Map, and build upon the backbone of this county and beyond.

NOW, THEREFORE I, Rex Hardin, Mayor of the City of Pompano Beach, Florida, on behalf of the City Commission, do hereby proclaim the week of **March 18-24, 2021** as:

FLORIDA SURVEYORS & MAPPERS WEEK

And recognizes the many contributions and the ongoing dedications of surveyors and mappers to the prosperity of the City of Pompano Beach, Florida.

DONE this 10th of March, 2021.



**Rex Hardin,
Mayor**

Proclamation

WHEREAS, the honorable professions of surveying and mapping are integral to the history of civilization, charting boundaries and setting the basis for both the development of cartography and geography that would, in turn, make possible the exploration of the world, and the territorial governance of the modern nation-state; and

WHEREAS, the profession of surveyor was first recognized under the Roman Empire, and throughout history surveyors were at the forefront of scientific innovations in geometry and trigonometry, as today they are at the cutting edge of new satellite and laser technologies; and

WHEREAS, surveyors were instrumental in the settlement of the United States, and surveyors are counted among the founding leaders of our great nation; including Thomas Jefferson, who inherited the profession from his father Peter, author of one of the earliest maps of the colonial Virginia during the time, precisely, that a young George Washington was Virginia Surveyor General; and including also Abraham Lincoln, in private service in Illinois during the 1830s; and

WHEREAS, surveyors were also instrumental in the establishment of the Florida Territory, mapping portions of southern Florida including the area now known as Broward County in 1823; and

WHEREAS, several well-known and respected surveyors in our area were pertinent to the early exploration, development, building, and platting of lands, roads, bridges and institutions in Broward County. Surveyors such as James W. & Robert McLaughlin, Eugene Stoner, Maurice E. Berry, Harry Schwebke, James Shiskin, William (Bill) Keith, and Robert P. Legg, have all left their marks and built upon those that came before them; and

WHEREAS, the Surveyors they trained and inspired, and those that are now graduating with Surveying degrees will continue in their footsteps and expand with the technology of today to survey, map, and build upon the backbone of this county; and

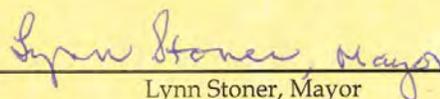
WHEREAS, the citizens of Broward County make important and daily decisions based on the knowledge and expertise of licensed surveyors and mappers, and therefore wish to honor the valuable contributions of the surveying and mapping profession to the history, development, and quality of life in Broward County, Florida, the United States of America, and the world.

NOW THEREFORE, I, Lynn Stoner, Mayor, and the City Council of Plantation, Florida, do hereby proclaim March 21-27, 2021 as

“Florida Surveyors and Mappers Week”

in the City of Plantation and recognize the many contributions and the ongoing dedication of surveyors and mappers to the prosperity of Broward County and the City of Plantation.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Plantation to be affixed this 10th day of March, 2021.


Lynn Stoner, Mayor



Office of the Mayor
City of Fort Lauderdale

Proclamation

**In Recognition of
National Surveyors Week
March 21-27, 2021**

- WHEREAS,** National Surveyors Week was established by the National Society of Professional Surveyors as an annual event to raise awareness for the surveying profession and the vital services surveyors provide to the advancement and betterment of human welfare; and
- WHEREAS,** surveyors played a vital role in the growth and development of our city, state and nation, encouraging pioneers to travel many miles to settle and stake land claims to build upon the foundation of our country; and
- WHEREAS,** three United States Presidents; George Washington, Thomas Jefferson and Abraham Lincoln, served their fellow colonist as surveyors. In fact, Thomas Jefferson developed the Public Land Survey System still used to describe and sell land acquired by the public to help fund and build our country; and
- WHEREAS,** surveyors are skilled in several fields; geometry, trigonometry, regression analysis, physics, engineering, meteorology, programming languages and the law. They are responsible for making precise measurements to determine property boundaries and providing data relevant to the shape and contour of the earth's surface for engineering, mapmaking and construction projects; and
- WHEREAS,** well-known and respected surveyors in our area; including William (Bill) Keith, Eugene Stoner, Maurice E. Berry, Harry Schwebke, James Shiskin, Robert P. Legg, James W. and Robert McLaughlin were key to early exploration, development, building and platting of lands, roads, bridges and institutions in Broward County; and
- WHEREAS,** Fort Lauderdale recognizes the valuable contributions our employees who are surveyors make, and relies on their expertise in mapping points to make daily decisions that impact the history, development and quality of life in our city; and
- WHEREAS,** every March, a weeklong awareness campaign is conducted to emphasize the contributions of professional surveyors, introduce a new generation to the profession and highlight the use of technology in surveying work.
- NOW, THEREFORE WE,** as City Commissioners of the City Fort Lauderdale, do hereby proclaim March 21-27, 2021 as:

NATIONAL SURVEYORS WEEK

in the City of Fort Lauderdale and encourage everyone to celebrate these outstanding professionals for their innovative work and historical contributions.

DATED this 16th day of March 2021.




Mayor Dean J. Trantalis



Fort Lauderdale: The City You Never Want To Leave



Proclamation

WHEREAS, the honorable professions of surveying and mapping are integral to the history of civilization, charting boundaries and setting the basis for both the development of cartography and geography that would, in turn, make possible the exploration of the world, and the territorial governance of the modern nation-state; and

WHEREAS, the profession of surveyor was first recognized under the Roman Empire, and throughout history, surveyors were at the forefront of scientific innovations in geometry and trigonometry. Today they are at the cutting edge of new satellite and laser technologies; and

WHEREAS, surveyors were instrumental in the settlement of the United States, and surveyors are counted among the founding leaders of our great nation; including Thomas Jefferson, who inherited the profession from his father Peter, the author of one of the earliest maps of colonial Virginia. During that time, a young George Washington was Virginia Surveyor General; and

WHEREAS, surveyors were also instrumental in the establishment of the Florida Territory, mapping portions of southern Florida including the area now known as Broward County in 1823; and

WHEREAS, several well-known and respected surveyors in our area were pertinent to the early exploration, development, building, and platting of lands, roads, bridges and institutions in Broward County. Surveyors such as James W. & Robert McLaughlin, Eugene Stoner, Maurice E. Berry, Harry Schwebke, James Shiskin, William (Bill) Keith, and Robert P. Legg, have all left their marks and built upon those that came before them. The Surveyors they trained and inspired, along with graduates, will continue in their footsteps and expand with the technology of today, building upon the backbone of this county; and

WHEREAS, National Surveyors Week was established by the National Society of Professional Surveyors as an annual event to bring public recognition to the surveying profession and the vital services surveyors provide to the advancement and betterment of human welfare; and

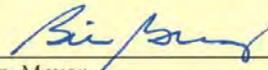
WHEREAS, the citizens of Deerfield Beach make important and daily decisions based on the knowledge and expertise of licensed surveyors and mappers, and therefore wish to honor the valuable contributions of the surveying and mapping profession to the history, development, and quality of life not only in this country but across the world.

NOW, THEREFORE, I, BILL GANZ, Mayor of the City of Deerfield Beach, Florida, in recognition thereof, do hereby proclaim March 21-27, 2021 as:

“FLORIDA SURVEYORS & MAPPERS WEEK”

IN WITNESS WHEREOF, I hereunto set my hand and caused the seal of the City of Deerfield Beach to be affixed at Deerfield Beach, Florida, this 16th day of March 2021, A.D.





Bill Ganz, Mayor



Samantha L. Gillyard, CMC, City Clerk

Proclamation

REQUESTED BY
COMMISSIONER LAMAR P. FISHER
BROWARD COUNTY

WHEREAS, the honorable professions of surveying and mapping are integral to the history of civilization, charting boundaries and setting the basis for both the development of cartography and geography that would, in turn, make possible the exploration of the world, and the territorial governance of the modern nation-state; and

WHEREAS, the profession of surveyor was first recognized under the Roman Empire, and throughout history surveyors were at the forefront of scientific innovations in geometry and trigonometry, as today they are at the cutting edge of new satellite and laser technologies; and

WHEREAS, surveyors were instrumental in the settlement of the United States, and surveyors are counted among the founding leaders of our great nation; including Thomas Jefferson, who inherited the profession from his father Peter, author of one of the earliest maps of colonial Virginia during the time, precisely, that a young George Washington was Virginia's Surveyor General; and including also Abraham Lincoln, in private service in Illinois during the 1830s; and

WHEREAS, surveyors were also instrumental in the establishment of the Florida Territory, mapping portions of southern Florida including the area now known as Broward County in 1823; and

WHEREAS, several well-known and respected surveyors in our area were pertinent to the early exploration, development, building, and platting of lands, roads, bridges, and institutions in Broward County. Surveyors such as James W. & Robert McLaughlin, Eugene Stoner, Maurice E. Berry, Harry Schwebke, James Shiskin, William (Bill) Keith, and Robert P. Legg, have all left their marks and built upon those that came before them; and

WHEREAS, the Surveyors they trained and inspired, and those that are now graduating with Surveying degrees will continue in their footsteps and expand with the technology of today to survey, map, and build upon the backbone of this county; and

WHEREAS, the citizens of Broward County make important and daily decisions based on the knowledge and expertise of licensed surveyors and mappers, and therefore wish to honor the valuable contributions of the surveying and mapping profession to the history, development, and quality of life in Broward County, Florida, the United States of America, and the world; **NOW, THEREFORE,**

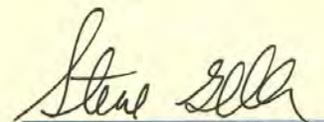
BE IT PROCLAIMED BY THE BOARD OF COUNTY COMMISSIONERS OF BROWARD COUNTY, FLORIDA:

That in conjunction with National Surveyors Week, the Board hereby designates, **March 21 – 27, 2021**, as "**FLORIDA SURVEYORS & MAPPERS WEEK**" and recognize the many contributions and the ongoing dedication of surveyors and mappers to the prosperity of Broward County, Florida.

3-9-21

Date




Mayor



Proclamation

Board of County Commissioners
Manatee County, Florida

WHEREAS, surveyors and mappers are counted among the founding leaders of our country and were instrumental in the formation of property boundaries, which support the enjoyment of property ownership; and

WHEREAS, we recognize the valuable contributions of the surveying and mapping profession to history, development, and quality of life, in Florida and nationwide, and make important decisions based on the knowledge and expertise of licensed surveyors and mappers; and

WHEREAS, the surveying and mapping profession requires special education, training, the knowledge of mathematics, the related physical and applied sciences, and requirements of law for evidence; and

WHEREAS, surveyors and mappers are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights; and

WHEREAS, the continual advancements in instrumentation have required the surveyor and mapper not only to be able to understand and implement the methods of the past, but also to learn and employ modern technology in finding solutions to meet the challenges of the future.

NOW, THEREFORE, BE IT PROCLAIMED by the Board of County Commissioners of Manatee County, Florida, that March 21 through 27, 2021, shall be known, designated, and set aside as

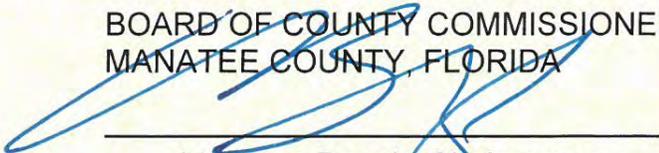
FLORIDA SURVEYORS AND MAPPERS WEEK

in Manatee County, Florida.

ADOPTED with a quorum present and voting this 9th day of March 2021.

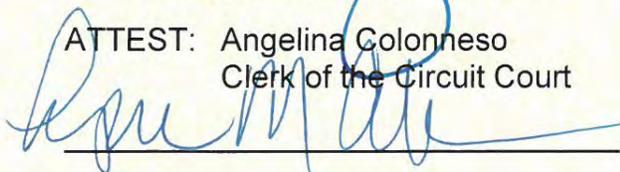


BOARD OF COUNTY COMMISSIONERS
MANATEE COUNTY, FLORIDA



Vanessa Baugh, Chairperson

ATTEST: Angelina Coloneso
Clerk of the Circuit Court



Angelina Coloneso, Clerk of the Circuit Court

Proclamation

- WHEREAS,** surveyors and mappers are counted among the founding leaders of our country and were instrumental in the formation of property boundaries, in the United States which support the enjoyment of property ownership; and
- WHEREAS,** we recognize the valuable contributions of the surveying and mapping profession to history, development, and quality of life in Florida and nationwide, and make important decisions based on the knowledge and expertise of licensed surveyors and mappers; and
- WHEREAS,** surveyors and mappers are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights.

NOW, THEREFORE, WE THE BOARD OF COUNTY COMMISSIONERS OF SARASOTA COUNTY, FLORIDA,
do hereby proclaim March 21 through March 27, 2021 to be:

NATIONAL SURVEYORS WEEK

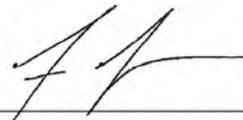
PRESENTED this 20th day of April 2021.



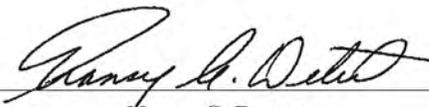
Alan Maio Chairman
Sarasota County District 4 Commissioner



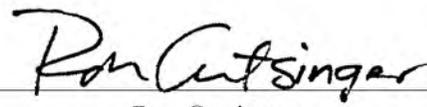
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Sarasota County District 2 Commissioner



Michael A. Moran
Sarasota County District 1 Commissioner



Nancy C. Detert
Sarasota County District 3 Commissioner



Ron Cutsinger
Sarasota County District 5 Commissioner



Karen E. Rushing
Clerk of the Circuit Court and County Comptroller

Proclamation

CITY OF ORLANDO - OFFICE OF THE MAYOR

- WHEREAS,** surveyors and mappers are counted among the founding leaders of our country and were instrumental in the formation of the layout of property boundaries in the United States which have provided our citizens the enjoyment of property ownership; and
- WHEREAS,** George Washington, Thomas Jefferson, and other former Presidents of the United States, served their fellow colonists as surveyors; and
- WHEREAS,** the citizens of Florida recognize the valuable contributions of the surveying and mapping profession to history, development, and quality of life in Florida and the United States of America and make important decisions based on the knowledge and expertise of licensed surveyors and mappers; and
- WHEREAS,** the surveying and mapping profession requires special education, training, the knowledge of mathematics, the related physical and applied sciences, and requirements of law for evidence; and
- WHEREAS,** surveyors and mappers are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights; and
- WHEREAS,** the continual advancements in instrumentation have required the surveyor and mapper not only to be able to understand and implement the methods of the past, but also to learn and employ modern technology in finding solutions to meet the challenges of the future;

NOW, THEREFORE, I, Buddy Dyer, Mayor of the City of Orlando, in conjunction with National Surveyors Week, hereby do proclaim March 21-27, 2021, as

“Florida Surveyors & Mappers Week”

in the City of Orlando and recognize the many contributions and the ongoing dedication of surveyors and mappers to the citizens of Florida and the United States.

IN WITNESS WHEREOF, I hereunto have set my hand and caused the Seal of the City of Orlando to be affixed this 21st day of March 2021.



Buddy Dyer
MAYOR



Office of the
Orange County Mayor

Proclamation

WHEREAS, surveyors and mappers are counted among the founding leaders of our country and were instrumental in forming land boundaries in the United States, allowing for an organized system of land parcel creation and the enjoyment of property ownership; and

WHEREAS, George Washington, Thomas Jefferson, and other former presidents of the United States served their fellow colonists as surveyors; and

WHEREAS, the residents of Orange County recognize the valuable contributions of surveying and mapping professionals in history, land development, and quality of life locally and nationwide, making important decisions based on their knowledge and expertise; and

WHEREAS, the surveying and mapping profession requires special education and training, including the knowledge of mathematics, related physical and applied sciences, and requirements of law for evidence; and

WHEREAS, surveyors and mappers are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights; and

WHEREAS, continuing advancements in instrumentation have required surveyors and mappers to have the ability to understand, as well as implement the methods of the past, and to learn and employ modern technologies to meet future challenges.

NOW, THEREFORE, I, Jerry L. Demings, by virtue of the authority vested in me as Orange County Mayor, do hereby proclaim the week of March 21 through March 27, 2021, as

FLORIDA SURVEYORS AND MAPPERS WEEK

in Orange County, Florida, in recognition of the many contributions and dedication of surveyors and mappers to our residents.

DONE AND ORDERED this 19th day of March, 2021.

JERRY L. DEMINGS, ORANGE COUNTY MAYOR





Proclamation

WHEREAS, surveyors and mappers are counted among the founding leaders of our country and were instrumental in the formation of the layout of property boundaries in the United States which have provided our citizens the enjoyment of property ownership; and

WHEREAS, George Washington, Thomas Jefferson, and other former Presidents of the United States served their fellow colonists as surveyors; and

WHEREAS, the citizens of Florida recognize the valuable contributions of the surveying and mapping profession to history, development, and quality of life in Florida and the United States of America, and make important decisions based on the knowledge and expertise of licensed surveyors and mappers; and

WHEREAS, the surveying and mapping profession requires special education, training, the knowledge of mathematics, the related physical and applied sciences, and requirements of law for evidence; and

WHEREAS, surveyors and mappers are uniquely qualified and licensed to determine and describe land and water boundaries for the management of natural resources and protection of private and public property rights; and

WHEREAS, the continual advancements in instrumentation have required the surveyor and mapper not only to be able to understand and implement the methods of the past, but also to learn and employ modern technology in finding solutions to meet the challenges of the future.

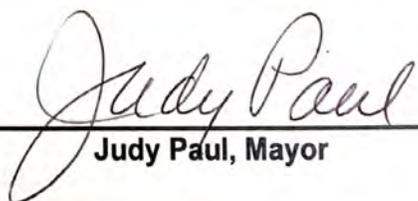
WHEREAS, Global Surveyors Day March 23, 2021 was created in 2018 through a collaboration among worldwide surveying organizations to recognize the role of Surveyors

NOW, THEREFORE BE IT PROCLAIMED that the Mayor and the Town Council of the Town of Davie do hereby proclaim March 21-27, 2021 as:

NATIONAL SURVEYORS WEEK

IN WITNESS WHEREOF, I have hereunto set my hand this 17th day of March, 2021.





Judy Paul, Mayor

We want to see your surveying photos for future publications -

Your photo could be featured inside or on the cover of a future TFS!

To be considered, please email high-resolution photos to:

communications@fsms.org



These photos accompany the President's Message from page 2.



As we wind down this year's 2021 National Surveyor Week Celebration, we all have a lot to celebrate and be thankful for.

Thanks to all of the famous Surveyors that we have read about and that were the pioneers in our field. Reading, researching, and discovering evidence of the paths that they forged, the monuments that they set down, and the field notes and maps they prepared, and the special notes in their field books, diaries, and papers that they left behind are truly amazing sources of their adventures. It provides us with a glimpse into their lives that we can tag along with them as they made their way through the wilderness, mountains, swamps, deserts, and prairies of America.

Thank you to all of our Mentors, Professors, Historians, and the Surveyors that have left us recently and in the past few decades that lead us all into this Great profession. The fact they took the time and the energy to pull us under their wings because they saw something in us they felt was worthwhile to help develop. They found ways to inject their love and fascination with our profession into us and help us develop our own love of learning and expanding our knowledge and appreciation of not only those that came before us, but of their techniques, tools, methodologies, wisdom, and common sense.

As we bathe in the fleeting lights of our National recognition for this week, we should all be proud of who we are, and continue on with encouraging those under us to expand their own knowledge, continue learning, reading and finding ways to inspire the next generations of our Profession. Embrace what we have, enjoy the moments of this week, and show the other Professions what sets us apart as the experts in measurement, land and water boundaries, mapping accurately what we see and placing it on top of, underneath, and above the ground.

I came into this profession, knowing nothing about it, fresh out of high school in June 1972. In 2022, I will be celebrating 50 years in something that has grown from the steel chains, plumb-bobs, transits, dumpy levels, and crow-quill pen and ink on linen paper, into one of the highest technology use fields in the world. Every day I have spent in this profession has been a learning experience as no other that I could imagine with the amount of changes we have seen, and it keeps me smiling because of the love I have developed for what I do. The adventures I have had, and the great peers I have met and developed admiration for.

I am hopeful for the future of this profession and for this great Country that we live in, may we all continue to be blessed with a job, a profession, and something we love to do.

-Rick Pryce

FFGS renaming ceremony

By: Kim Scott
March 22, 2021



The University of Florida's School of Forest Resources and Conservation is now the School of Forest, Fisheries, and Geomatics Sciences (FFGS). The new name was announced Monday at a brief outdoor ceremony.

FFGS started as a forestry department at UF in 1935, and officially became a school in 1937. In 2004, the school merged with the geomatics program, which was once housed in the College of Engineering's civil engineering department. The school merged with fisheries and aquatic sciences, another UF/IFAS College of Agricultural and Life Sciences department, in 2008.

Terrell "Red" Baker, FFGS director, spoke at the ceremony about how the new name represents the three broad program areas under the school: forest resources and conservation, fisheries and aquatic sciences, and geomatics.

"We are thrilled to have our geomatics and fisheries colleagues more appropriately recognized in our name," Baker said. "We are here today to celebrate not just our program's individual accomplishments, but what we have done and will continue to do together as a school."

The name was chosen after close engagement with faculty, staff, students, alumni and stakeholders, including in-person brainstorming sessions, phone calls and surveys. The new name will increase visibility for the school, including hundreds of students and faculty in the fisheries and aquatic sciences graduate major, geomatics graduate and undergraduate majors, and marine sciences undergraduate major.

"One thing we've learned over the last decade or more is that we are simply much stronger than the sum of our parts," Baker said. "As science scholarship and education becomes increasingly interdisciplinary our school is uniquely situated to help provide solutions for our lives."

Scott Angle, UF vice president for agriculture and natural resources and the leader of UF/IFAS, also spoke at the event, highlighting how the renaming represents a positive step forward for UF/IFAS as the university strives for a top-5 public university ranking.

Learn more about FFGS at its new website: ffgs.ifas.ufl.edu.

Watch the ceremony recording: <https://youtu.be/2KzGsl1CLfk>



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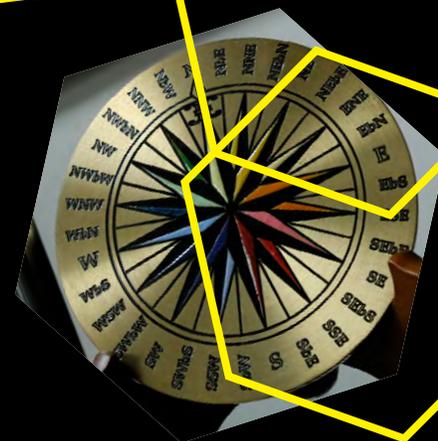
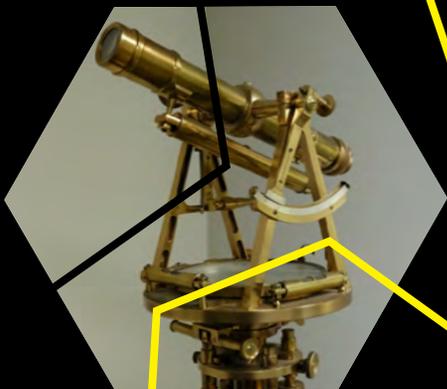
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TOTAL			\$ _____

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TOTAL			\$ _____

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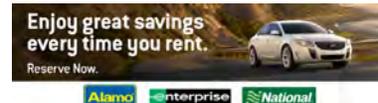
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- Land Tenure & Cadastral Systems - Course # 8260
- Map Projections & Plane Coordinate Systems - Course #8261
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FROM THE



ARCHIVES



BACKSIGHTS *and* FORESIGHTS

Florida Society of Professional Land Surveyors

An Affiliate of American Congress on Surveying and Mapping

HUGH A. BINYON, EDITOR, 6325 SIXTH AVE. N., ST. PETERSBURG, FLA.

PUBLISHED QUARTERLY

NUMBER 10

SPRING EDITION 1966



Surveying Technology At Central Florida

By John L. Murphy

A New Curriculum Is Structured to Meet a State's Need for Skilled Personnel in a Technical Field

Above this line and below the masthead is the heading, subheading, and credit line of a four page article as it appeared in the February '66 issue of the Junior College Journal published by the American Association of Junior Colleges.

The article contains basically the same information as the paper that Dean Murphy delivered to our Miami Beach convention last October, however the importance of the message is greatly emphasized by its appearance in such an important educational journal which has a nationwide distribution.

For those of you who did not have the opportunity to hear Dean Murphy or read his article a thumbnail resume appears under this heading.

The above picture is of Central Florida Junior College instructor Richard D. Ray, PE, RIs, demonstrating a transit to the first three students to register in the Surveying Technology course (curriculum appeared in the 1965 Summer edition of B & F) at CFJC.

The three students are all from Ocala, and are, from left to right:



Instructor Richard D. Ray demonstrates to students the use of the transit.

Donald Keenan, Thomas Smallwood, and Thurman Hall.

The importance of the appearance of the picture and the accompanying article in the above mentioned journal cannot be overstressed. It is tangible evidence that the "word" is spreading nationally concerning both the need for training of men to enter the land surveying field as technicians, that the understanding that land surveying is a specialized field apart from civil engineering, is being recognized, and that long awaited educational activity has commenced.

To the members of the land surveying profession in Florida the picture represents an end of the search for recognition of the profession by education -- and the beginning of a new era in the development of basic professional status.

Although Florida cannot take credit for the first such course, since such credit is probably due Mike Aggeler of the City College of San Francisco, Florida can take credit through Dean Murphy and CFJC for an awakening by public notice in a national journal in the educational field.

(Continued on page 3)



THE PRESIDENT'S MESSAGE

Harold A. Schuler, Jr.

What do you want your state organization to be?

This is a question that I believe every-one of us should ask himself. It was the aim of our founding members, through this banding together, to swap ideas and formulate plans to advance the ability and service of the Land Surveyor and his reputation in the eyes of the public and other professionals.

Through able FSPLS leadership the Society has come a long way since its inaugural meeting. Our standards for surveys have been established and accepted. There now exists an educational course for land surveying technicians in a Florida Junior College. Land Surveyors now have direct representation in the Florida State Board of Engineer Examiners. We are affiliated with the American Congress on Surveying and Mapping--and are fortunate in having several of our members serving with various committees, with one serving on the Board of Direction. Professional status is on the "upgrade".

Where we go from here is in the hands of you, the members. It is realized that due to the circumstances of the individual that it is not always possible for every member to serve on a 100% basis, but the officers and directors of FSPLS do need expressions of your ideas and ways by which both our Society and our profession can be advanced. This advancement can be furthered through your representation on our board of directors or any of your officers. They can pursue an objective, but it takes the initial idea and then the collective emphasis of all to gain the desired ends.

In FSPLS, as in most organizations, work is carried on by a certain few, generally committeemen and your directors who make the sacrifices of time and effort for which they have volunteered. But we also need support from each and every member in whatever way it can be given. We need additional members, and an open invitation is extended to all qualified men within our profession to join our ranks. Some one new member may hold the key to the successful culmination of some future major project or objective.

May I, on behalf of your Board of Directors and myself, thank you for the opportunity to serve you this year. With your help we will continue the work of our predecessors in developing a better future.

What do YOU want your state organization to be?

DUES ARE DUE

The fact that the Florida Society of Professional Land Surveyors is an active sponsor of the new CFJC course is a major credit to the Society and its members. It is hoped and expected that the Society can sponsor similar courses in other sections of the State; and that other state land surveying societies can help inaugurate similar courses in their various states.

Following the first two meetings of CFJC Dean Murphy and FSPLS members in the spring of 1965 the Dean arranged for CFJC Instructor Ray to attend the Summer Institute in Geometrics sponsored by Purdue University and under the direction of Professor Kenneth S. Curtis, and at which ACSM President "Curt" Brown served as a visiting professor. One of the purposes of the Institute was the training of instructors in the teaching of surveying subjects. Enrollment at the institute was limited to only 28 applicants who were selected on the basis of their submitted qualifications and recommendations, whose assignments were teaching in the area of surveying or closely allied fields. Five courses at the graduate level were offered, each course being a three hour credit rating for graduate or undergraduate study.

While Mr. Ray was in direct contact with the national leaders in land surveying education at Purdue, he and Dean Murphy designed the present CFJC surveying technology curriculum by correspondence and telephone. The curriculum was presented to the FSPLS convention for its approval, after which it was forwarded, along with statements of necessity, to the State Board of Education with a request for the necessary operating funds. The funds requested (both State and Federal) were soon granted, enabling CFJC to embark on its Surveying Technology course this January. Only those students who had the prerequisite courses were registered in the second semester work. This accounts for the low registration.

To assure you that interest in the inauguration of the course was not purely local, it can be stated that letters containing assurance of the necessity of such course came from officers of ACSM, more than one Federal agency, the State Road Department, and others, including members of FSPLS.

So, behind the picture are several months of study as well as intensive and laborious effort which you cannot see, but which most of you can appreciate.

Dean Murphy, in his article, indicates that land surveying was formerly considered in the realm of civil engineering, as in 1925, the University of Florida offered seven courses in surveying requiring 180 hours devoted to lectures and classroom work while 255 hours were devoted to field work. Now, as a result of changes in the U. of F. civil engineering program, which has gone further into the sciences at the expense of surveying, only a single sophomore surveying course is offered which requires a total of 26 hours of classroom exercises and only 39 hours of field work ---hardly an exposure to the bare fundamentals of surveying. And the U. of F. is no exception among the universities.

(continued on page 6)

" ITS IN THE BAG "

Can you imagine using water or air to dam a stream? W. Turner Wallis and his associates have done it! Not only have they stopped the flow of water with their new method, they have used the same materials for navigational locks.

The dam and lock were constructed last year on the Withlacoochee river at the outlet of Lake Panasofkee at Carlson's Landing. This is on road 470 five miles north of the intersection with route 44. One end of the dam is in Citrus County while the other end is in Sumter County.

The dam consists of a series of bags that are anchored to concrete or piling foundations and can be inflated with water or air to fill out the bags so that they can completely stop a stream. One of the bags (or more) can be deflated at will to permit the flow of water at a regulated depth. With the proper arrangement a navigational lock system can be formed as has been done at this location.

The dam is known as the "Rufe Wysong" dam, and was dedicated on Labor Day, 1965.

The "Fabridam", as it is called, is an inflatable bag, or bags, of neoprene which is heavily reinforced with nylon and has a special coating of hypalon material to resist weathering.

The Rufe Wysong dam consists of a 249' "Fabridam" with an inflated height of 5' above the concrete foundation. The navigation lock is 16' 8" wide and over 85' long. The lock can operate through a complete cycle in 25 minutes, handling up to 4 average "run-a-bout" boats. The pump used to handle the water in the bags is designed to deliver 3600 GPM at a 20' head.

The Fabridam was conceived by N. M. Imbertson in 1960, and is manufactured by the Firestone Tire & Rubber Company.

(CFJC SURVEYING TECHNOLOGY Cont'd)

To continue this paraphrasing--Dean Murphy states that although some junior colleges in Florida offer two or three semesters of plane surveying as a part of other technical programs, none offers a comparatively complete program in surveying technology to cover the facets of land surveying. It is noted that Penn State has recently added a two year course in surveying technology, that Ferris State (Michigan), Oregon Technical Institute, and several junior colleges in California are now offering similar programs. [mostly without emphasis on land surveying. Ed.]

Citing the unfilled needs of the professional land surveyors, consulting engineers, construction firms, the State Road Department, and State and Federal agencies for men trained in surveying technology to qualify as survey crew chiefs and office men, which are required to help solve Florida's rapidly expanding economy, Dean Murphy points out the need for the training of such men NOW, and suggests that two year junior college courses such as that now offered at CFJC can be the means of developing many of the needed surveying technicians.

Our interested readers can probably borrow a copy of the Junior College Journal from the office of a nearby Junior College. The full article is well worth reading as it gives an outline of the individual courses with the hours of attendance required in the classroom and in the field.

In personal correspondence to the writer Dean Murphy has repeatedly stressed that Instructor Ray has been an extremely important collaborator in the development of their new program.

Thank you Dean Murphy. Thank you Richard Ray. Thank you CFJC.

Thanks for a beautiful picture!

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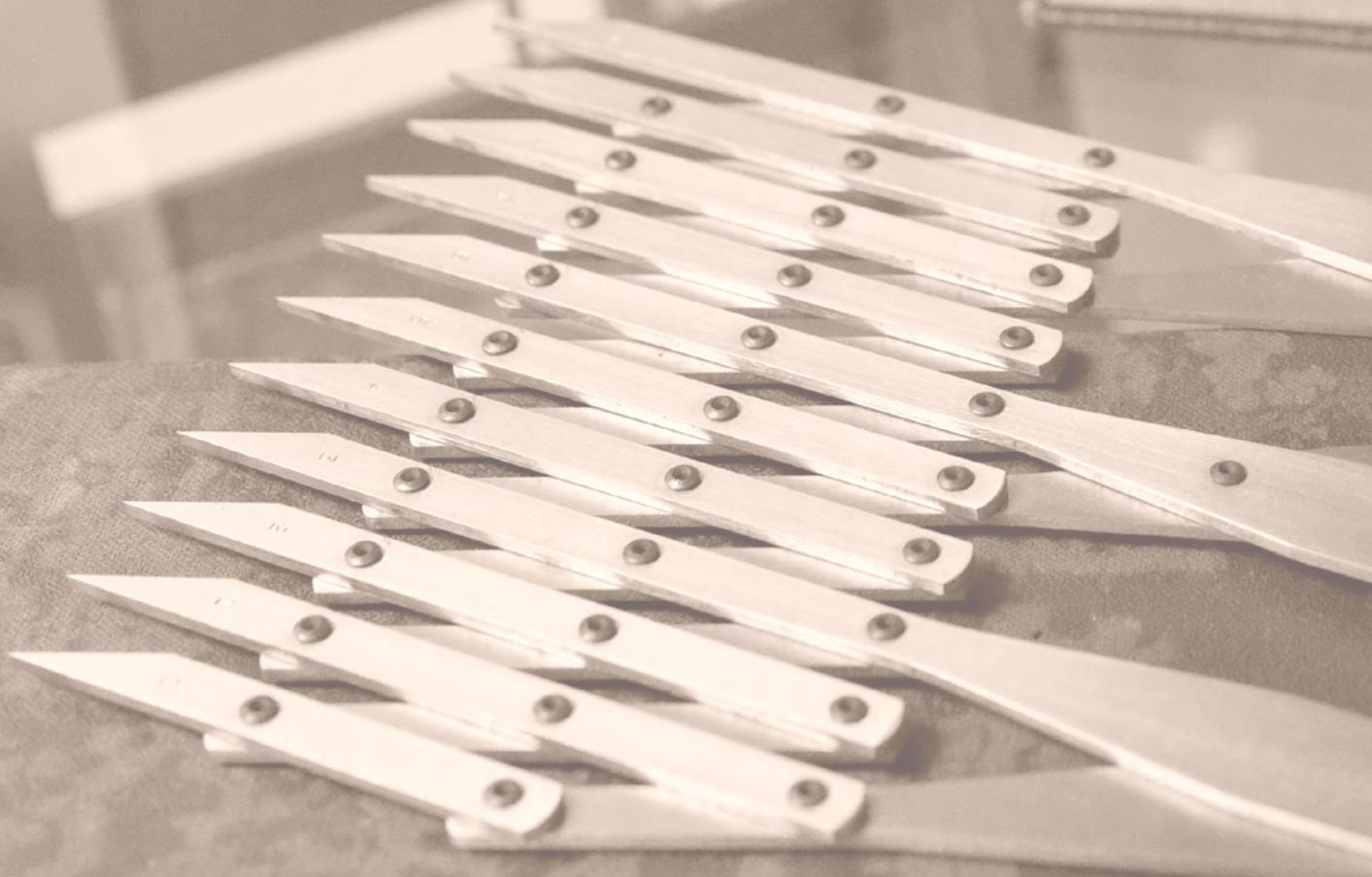
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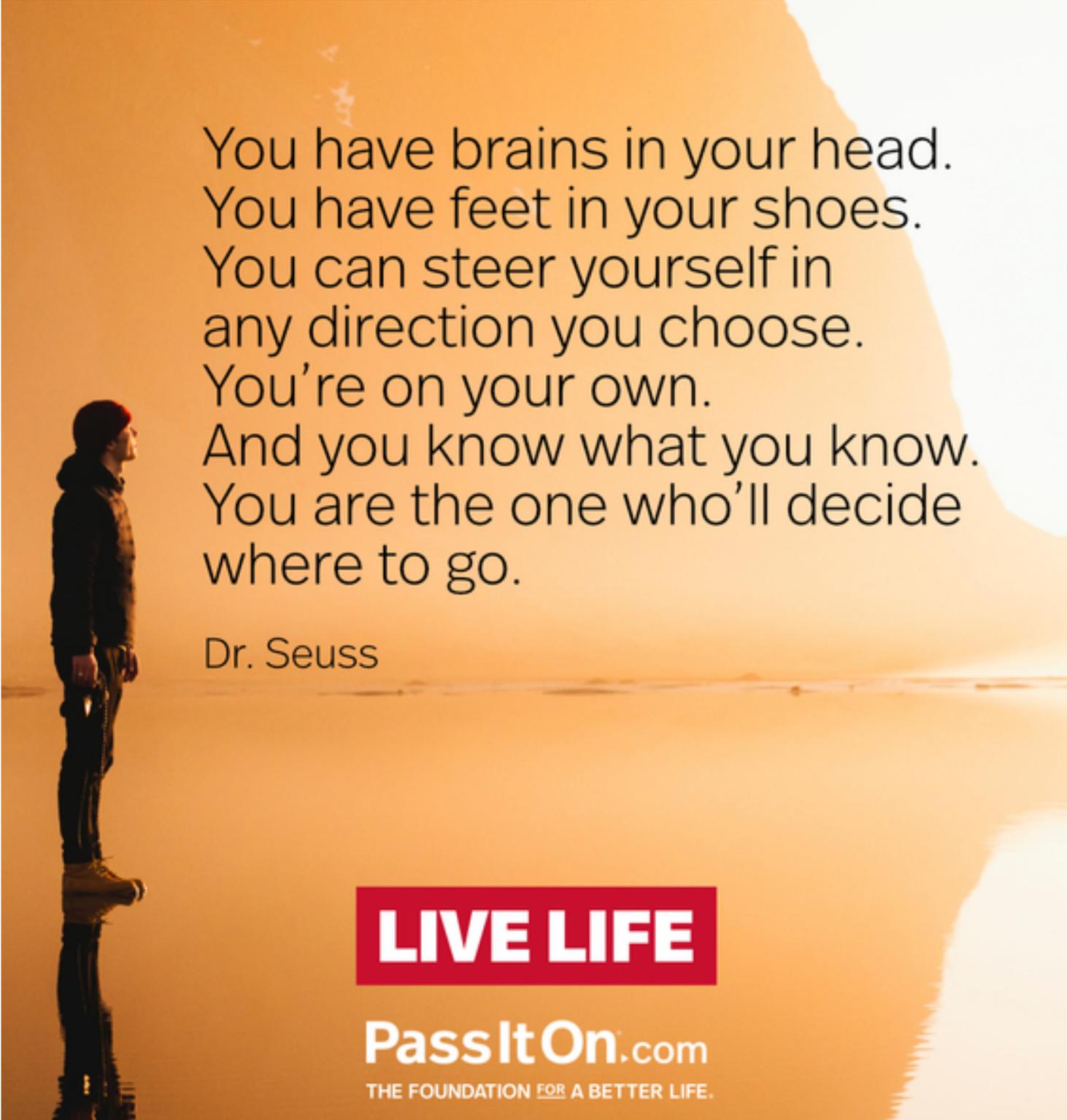
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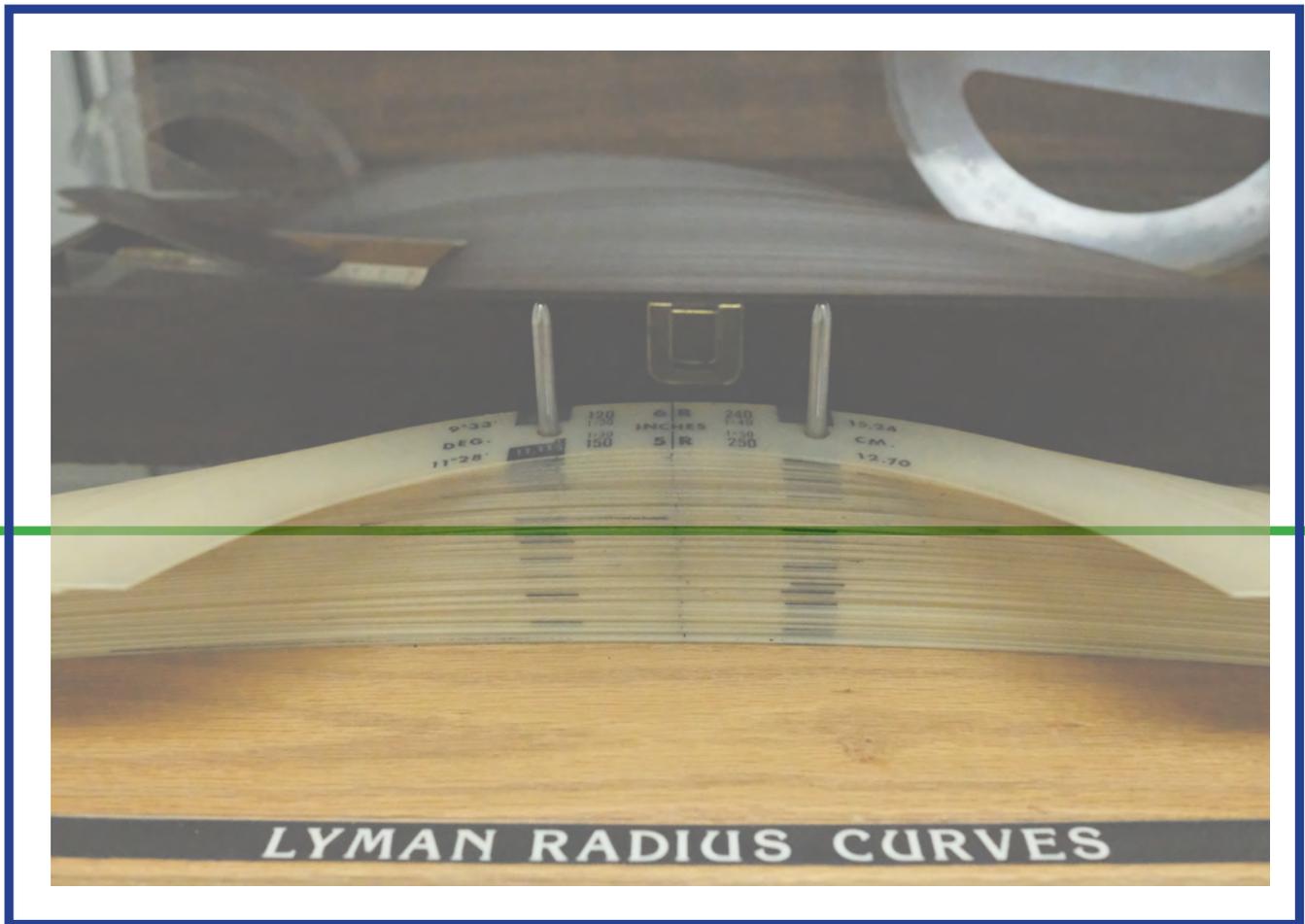
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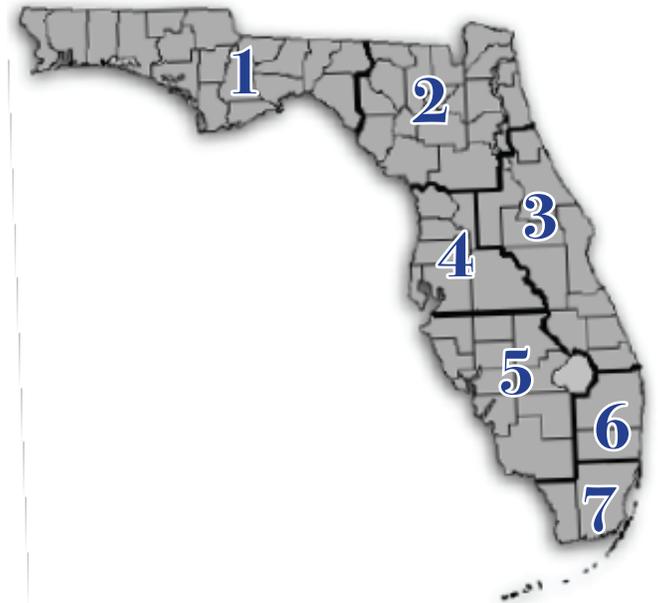
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April 16, 2021, 8 a.m.

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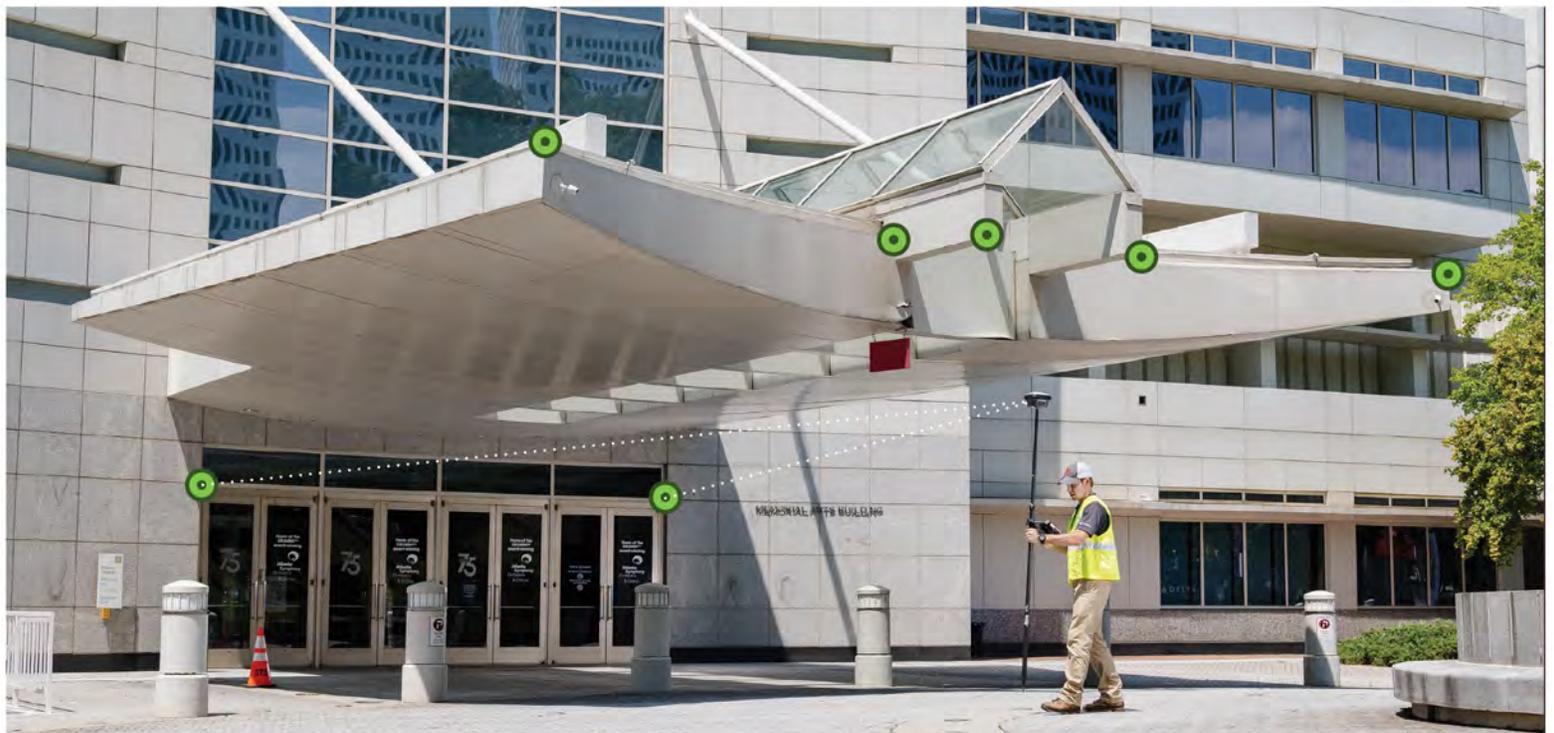
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