

MINUTES

eGIS Steering Committee

September 3, 2020

1:35pm – 2:53pm

Facilitator – Jamie Munro, GIS Manager

In Attendance

Committee Members:

PRESENT

Mike Twitty – Chair – Pinellas County Property Appraiser

Jason Malpass – Pinellas County Sheriff's Office

Marc Gillette – Supervisor of Elections

Tom Almonte – Pinellas County ACA (Building & Development Review Services, Office of Technology and Innovation, Planning)

Bryan Zumwalt – Vice Chair – Office of Technology and Innovation

ABSENT

Lourdes Benedict – Pinellas County ACA (Animal Services, Emergency Management, Human Services, Safety and Emergency Services)

Attendees:

Jared Austin – Planning

Joe Borries – Emergency Management

Jason Clemis – Business Technology Services/eGIS

Mike Dawson – Business Technology Services/eGIS

Lisa Foster – Public Works

Allison Goldberg – Business Technology Services/eGIS

Josh Kirchmann – Solid Waste

Christy Kretschmann – Business Technology Services/eGIS

Blake Lyon – Development Review Services

Curt Nielsen – Pinellas County Property Appraiser

Jeff Rohrs – Business Technology Services

Penny Simone – Public Works

Jeremy Waugh – Office of Asset Management

Deborah Berry – Justice and Consumer Services

Jeremy Capes – Utilities

Marcia Colby – Public Works

Jill DeGood – Pinellas County Sheriff's Office

Deb Frank – Office of Technology and Innovation

Joel Kelsey – Utilities

Kelli Levy – Public Works

Brian Lowack – County Administration

Jamie Munro – Business Technology Services

Cathie Perkins – Emergency Management

Alan Shellhorn – Planning

Toni Smith – Business Technology Services/eGIS

Agenda

1. Call to Order
2. Welcome and Introductions
3. Citizens to be Heard
4. Approval of Minutes from the June 4th, 2020 meeting
5. Virtual Esri User Conference
6. Aerial Contract – Voting Item
7. Working Group Presentation
 - a. Governance
 - b. 3D Building Footprint – Voting Item
 - c. Project Dashboard Review
8. Open Discussion
9. Next Meeting/Adjournment

Call to Order

The virtual meeting was called to order at 1:35pm by Mike Twitty.

Citizens to be Heard

The opportunity was offered for citizens to make comments. None were present.

Approval of Minutes

Mike Twitty asked if there were any changes to the June 4th, 2020 meeting minutes, none were noted. Bryan Zumwalt motioned to approve, Jason Malpass seconded, all in favor. Minutes approved.

Virtual Esri User Conference

The 2020 Annual Esri User Conference was a virtual conference July 13th – July 17th. A number of people within the County were able to attend virtually. Conference materials have been purchased and are available at egis.pinellascounty.gov, you will need to be logged into our network to see the videos.

Aerial Contract – Voting Item

Jamie Munro discussed the status of the Aerial Photography contract. SWFWMD flew Orthos, with a deliverable expected soon which will be added to our database. USGS did LiDAR in 2019, SWFWMD is working on QA/QC and waiting on final revisions. An oblique flight has been completed and added to our data, 3D basemap is also in progress. The Pictometry 5-year contract ends this year, they have been providing oblique and ortho images, \$762,000 of \$984,000 allocated has been spent.

Bryan Zumwalt questioned the logistics during years when SWFMD does not do a flight, the understanding was that Pinellas County would supplement with a flight to obtain the images. 2021 has no flight, will Pinellas County do a flight in 2021 for year to year comparisons? The 2020 flight was completed in January, Pictometry also flew in January. Mike Twitty asked why the delay from the flights and Jamie Munro said the images will be in the mail this week. Bryan Zumwalt suggested it would be beneficial to schedule a flight, Mike Dawson said Pinellas County was budgeted to do every other year, however Bryan Zumwalt mentioned the contract was for every year for 5 years. Blake Lyon said having imagery every year to display the redevelopment of the county is very beneficial. Jamie Munro indicated there may be aerial companies with products like Pictometry in the market today. Pictometry is able deliver a more detailed image for a similar price point. Bryan Zumwalt suggested rebidding the project, however because the County is also getting obliques and using the viewer provided by Pictometry, it may be easier to stay with them. Mike Dawson mentioned there is a desktop client available to use if we go that route or pay Pictometry to use the online viewer. Jason Malpass questioned the Pictometry contract and asked if the remaining money was because we skipped a flight? Jason Malpass also questioned whether the contract could be extended a single year rather than 7 years? Jamie Munro said because we have a 5-year contract, we have the option to extend 2 years, but we are not required to extend the full 2 years. Tom Almonte questioned the extension of the contract without rebidding, and the potential for a challenge – he is comfortable with 1-year extension, but otherwise rebidding would be preferable. Blake Lyon asked about adding 2019 aerials to County viewers because the latest year they have available is 2018. Mike Twitty mentioned the Property Appraiser uses the 2019 aerials in their applications. Jeremy Capes commented that the subscription to Pictometry Connect is deeply discounted as part of the current contract. An aerial flyover after Hurricane Irma was helpful, but the County never gained physical access to the data – hurricanes category 2 or higher will generate a flyover but only the ability to access data through a viewer. Bryan Zumwalt said that clause should be used in future contracts if renegotiated. Penny Simone requested the 2021 flight scope to determine appropriate deliverables and potentially amend the scope. Mike Dawson asked to request MrSid files of each individual tile. Mike Twitty summarized most in favor of a 1-year extension and a rebid.

Bryan Zumwalt moved to extend Pictometry contract 1 year, Tom Almonte seconded, all in favor.

For the anticipated 2021 flight, Jamie Munro stated that Pictometry is offering a 2" oblique / 4" ortho product for the same price as the negotiated 4" oblique / 6" ortho product. Discussion followed and Mike Twitty and others felt that the existing may be sufficient for the County's current need and asked Jamie to follow up to see if there would be some cost savings if the County contracted a 4" oblique / 6" ortho project.

Working Group Presentation

Blake Lyon discussed structure and governance of the Working Group. Blake Lyon is the Working Group Chair; Jeremy Capes is Vice Chair and there are primary and secondary members from each major departmental group. The Working Group is looking for additional guidance from the Steering Committee for specific format and expectations. Blake Lyon showed the new Working Group Sharepoint page and mentioned that any meeting minutes and work product documentation will be located there. Mike Twitty complimented the Working Group for moving forward with great leadership from Blake Lyon and Jeremy Capes. Bryan Zumwalt would like Phil Connor added to the Working Group for representation. Blake Lyon said anyone is welcome to attend the Working Group, but it is limited to 15 departmental representatives.

3D Building Footprints

The Working Group determined accuracy was the best investment for the building footprint project and Jamie Munro negotiated with Esri to include buildings more than 2000sqft. Mike Twitty asked if all of the manual effort has been completed for the buildings over 5000sqft and if there is the potential for duplicate efforts. Esri has processed the 2D data and will go back and work on the rooftops. Mike Dawson said the roof pitches will be accurate but the building exteriors will not be very detailed. Discussion followed about integrating some of the detailed 3D building data from the Property Appraiser's office with the 3D data being generated as part of the countywide project. Blake Lyon mentioned there is real value in multi-story 3D, however the level of detail needed for a building with multiple floors is not necessary throughout the county. Jamie Munro suggested a conversation with the Esri team to determine incorporating the level of detail needed. Esri Canada is licensed to deal with 3D on a property assessment level. Jamie Munro will look into incorporating Esri Canada building detail in the final deliverable. Bryan Zumwalt commended the work being done to bring the dataset to fruition, however there is always a concern for long term maintenance of data. A schedule needs to be developed for maintaining this information and others going forward. Mike Twitty mentioned utilizing 3rd party drone companies to stitch in new information, potentially flying different quadrants of the county each year.

Bryan Zumwalt moved to amend Esri contract to expand the scope to include 2000sqft+ building footprints (estimated \$135,000 for additional work), Marc Gillette seconded, all in favor.

Working Group project dashboard

Blake Lyon presented the Working Group project dashboard. He explained that the Working Group agreed that all projects to maintain production will be automatically approved by the Working Group. New departmental projects will be ranked and scored for approval. Bryan Zumwalt and Blake Lyon complimented the eGIS team for keeping everything organized and scheduled.

Open Discussion

Bryan Zumwalt discussed the launch of the Accela project, which is reliant on GIS system and Property Appraiser data. The project is running into issues with parcel redaction laws, especially with automation of parcel info. Bryan Zumwalt questioned what specifically must be redacted and suggested a potential workshop with Jamie Munro, Blake Lyon and Property Appraiser to determine what items must be redacted. Blake Lyon mentioned the redaction protection should go with the person if they move, however what happens to the information a potential buyer may obtain? Mike Twitty said once protected person leaves, the redaction is lifted on the parcel and any formerly redacted permits or information are no longer redacted. Only current address/residence is protected. Mike Twitty is inclined to add lot lines back for redacted parcels rather than the entire parcel being gone. For internal government work, parcel redaction information is available. Notarized release forms are available also, a protected owner can complete and submit a form after which the complete dataset may be released.

Next Meeting/Adjournment

The next meeting is scheduled for December 3rd, 2020.

Bryan Zumwalt motioned for the meeting to be adjourned, Tom Almonte seconded, all in favor

The meeting adjourned at 2:53pm.

Pinellas County Enterprise GIS

Steering Committee Meeting
September 3rd, 2020



Agenda

- Call to Order
- Welcome & Introductions
- Citizens to be Heard
- Approval of minutes from the June 4th, 2020 Meeting
- Virtual ESRI User Conference (Munro)
- Aerial Contract – Voting Item (Munro)
- Working Group Presentation (Lyons & Munro)
 - Governance
 - 3D Building Footprint – Voting Item
 - Project Dashboard Review
- Open Discussion (Twitty)
- Next Meeting/Adjournment (Twitty)



Virtual ESRI User Conference

<https://egis.pinellas.gov/>




Aerial Photography – Status

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Ortho		PC	SWFWMD	PC	PC	SWFWMD		PC		PC
Oblique		PC	PC	PC	PC	PC		PC		PC
LiDAR					PC	USGS				
DEM					PC					
3D Basemap						PC				PC

- Acquisition around January 2020
- Final deliverable in early September
- Initial deliverables received December 2019
- First round of revisions arrived near the end of May 2020
- SWFWMD is currently awaiting the final revisions
- Final deliverable date is unknown
- 2D Footprints Complete
- Decision to improve data accuracy
- Anticipated completion of 3D by end of calendar year



Aerial Photography – Pictometry Contract



- Five year contract expires the end of this year.
- Approximately \$762k of \$984k has been spent.
- Contract includes Ortho, Oblique, and content hosting services.
- Deliverables are used by citizens, businesses, and many government agencies.

Voting Item:

1. Extend the Pictometry contract two additional years.
2. Amend the Pictometry contract to include additional products like 2" imagery and reduced cost for 6" imagery.



Working Group - Governance



Department	Primary	Secondary
Building Department	Blake Lyon (Chair)	David Howdeshell
Business Technology Services	Jamie Munro	Belinda Huggins
Department of Administrative Services	Diana Sweeney	Keith Royster
Emergency Management	Joe Borries	Caleb Jones
Forward Pinellas	Jared Austin	Linda Fisher
Human Services	Deborah Barry	Tim Burns
Parks and Conservation	Steve Harner	Emily Basche
Planning	Alan Shellhorn	Corey Gray
Property Appraiser	Steven Smith	Marie Swift
Public Works	Marcia Colby	Janie Frank
Safety and Emergency Services	Rick Cody	Morgan Pyle
Sheriff	Jill DeGood	Jacqueline Danzig
Solid Waste	Joshua Kirchmann	Shawnee McQuillen
Supervisor of Elections	Nicole Szelonewski	David Wise
Utilities	Jeremy Capes (Vice Chair)	Joel Kelsey



Working Group - Governance

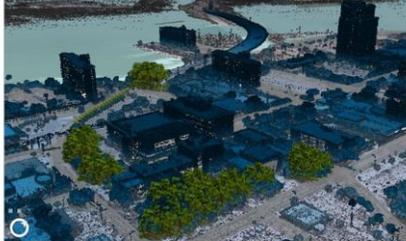
<https://pinellsgov.sh/arepoint.com/sites/BTS/btsegis/SitePages/workinggroup.aspx>

New Internal SharePoint Page to Include:

- Working Group Members
- Meeting Minutes
- Project Dashboard Link
- Announcements
- Resources




3D Countywide Building Footprint Project




3D Countywide Building Footprint Project Background



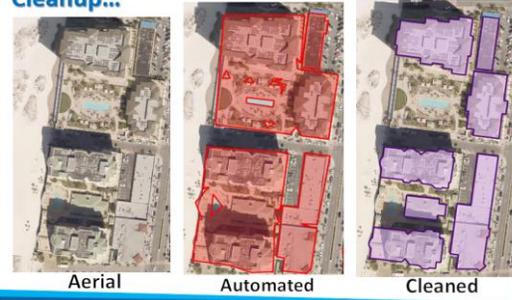
Existing

Automated

LiDAR



Cleanup...



Aerial

Automated

Cleaned



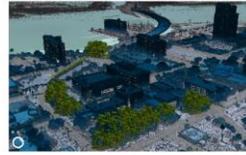
3D Countywide Building Footprint Project - Building Counts -

	<1000	1k - 2k	2k - 3k	3k - 4k	4k - 5k	>5000	Total
Existing Buildings	11,856	133,845	95,196	26,370	10,754	23,514	301,535
Removed Buildings	986	313	107	106	65	520	2,097
New Buildings (non dock)	16,655	17,414	8,323	1,861	1,254	1,227	46,734
Estimated Docks	754	~10	-	-	-	-	>750
Total Buildings	30,251	151,582	103,626	28,337	12,073	25,261	351,130
Cleaned Up Buildings			Estimated 91,144	Estimated 24,803	Estimated 10,610	Estimated 24,919	Estimated 151,475

- Esri estimates that over 87% of the buildings will need cleanup.
- Esri Rough Order of Magnitude estimated 171,654 buildings for cleanup.



3D Countywide Building Footprint Project



- Contract for \$225k for Esri to create 3D building footprints for the entire County.
- Contract includes manual cleanup of buildings greater than 5000 sq feet.
- Citizens, businesses, and many government agencies can leverage this new base map.
- This project improves flood analysis, building planning, digital visualizations, and supports products like ArcGIS Urban and ArcGIS Indoors.

Voting Item:

1. Amend Esri contract to expand the 3D Building Project scope to include the cleanup of buildings greater than 2000 sq feet. The preliminary cost estimates indicate about \$135k for the additional work.



Working Group - Project Dashboard (Maintain)

• Click to

<https://pinellasgov.sharepoint.com/sites/BTS/elt-dashboard/SitePages/eGIS-Weekly-Report.aspx>



Open Discussion



Next Meeting/Adjournment



- Upcoming Meetings:
- December 3rd, 2020
 - March 4th, 2021
 - June 3rd, 2021
 - September 2nd, 2021

