

SOLANO COUNTY REGIS

Meeting Agenda

Location: Virtual Microsoft Teams Meeting

[Click here to join the meeting](#)

Date: January 19, 2022

Time: 9:00am ~ 10:00am PST

1. Introductions (5 mins)
2. Approval of November 17 meeting minutes and New Business (10 mins)
 - a. Open floor
 - b. ReGIS survey results – Stew
3. Discussion (40 mins)
 - a. Solano County Website Update – Daniel (15 mins)
 - b. Workgroup updates
 - i. Aerial Imagery contract – Stew (5 mins)
 - ii. NG9-1-1 Workgroup Updates – Stew (5 mins)
 - c. Lightning Talk or suggestions for a presentation topic by a vendor or software application (5 mins)
 - d. Nominations for ReGIS Chair – Stew (10 mins)
4. Action Items (5 min)
 - a.
 - b.

Primary Members:

Sandy Ayala	Benicia	Robert Guerrero	STA
Jordan Santos	Dixon	Kathrina Gregana	STA
Jasmin Acuna	Fairfield	Rowland Roberts	Suisun City
Nellie Dimalanta	FSSD	Dan Mattheis	Travis AFB
Jeffrey Lum	LAFCO	Curt Corbett	Vacaville
Robin Borre	Rio Vista	Nathan Wallace	Vallejo
Chris Lee	SCWA	Alex Lacson	Vallejo
Bao Nguyen	SID	Rosaly Zambrana	Vallejo Water Dept
Michael Deprato	Solano Dispatch	Mariah Henderson	Vallejo Wastewater
Stewart Bruce	Solano County		



Solano Aerial Imagery 2021 Project

Status Report

Prepared by: Bridget Marcotte, Sanborn Map Company, 719-244-2311

Report Date – January 7, 2022

Provided to: Solano 2021 Project Team

Current Status

• **Orthoimagery Status**

- We released the orthoimagery via Sanborn Image QC™ for client review on July 23, 2021.
 - Client completed review August 27, 2021. Sanborn made corrections and released via Sanborn Image QC™ for review on September 13, 2021. Sanborn has received some feedback accepting corrections and notice to move forward with product production on October 25, 2021.
 - Sanborn provided examples of final formats and compression ratio for client review and confirmation on October 29, 2021; received client feedback January 6, 2022.
 - Orthoimagery tiles in GeoTiff format and project-wide mosaic will be delivered in State Plane and Web Mercator formats. All other data/products will be delivered (planimetrics, obliques, DEMS) will be in SP projection only. Per email on Oct. 29, 2021 and revised January 5, 2022

• **Oblique Imagery Status**

- We completed the aerial triangulation (AT) and processing the oblique imagery.
- Delivered oblique imagery via Sanborn Oblique Analyst® on June 28, 2021
 - Conduct meeting on July 1 to review Sanborn Oblique Analyst® application tools and function.
 - Separate instance for Travis AFB has been setup.
 - Sanborn will add vector layers (parcels, streets, city bndry and county bndry) when received
 - Sanborn will setup separate instance with credentials once the vector data is received.

• **Planimetric Status**

- Delivered pilot tiles via Sanborn FTP on June 16, 2021; conducted meeting on July 9, 2021; client confirmed parking lot guidance on August 17, 2021. We updated the pilot tiles based on the guidance and redelivered with building data on Sept. 10, 2021. Client approved revised pilot data on Sept. 28, 2021. Delivered the full AOI on October 19, 2021 and redelivered November 3, 2021 with buildings outside the boundary included. Pilot area was

excluded from the full AOI. It has been added in and data uploaded to FTP January 5, 2022.
Waiting on client feedback or approval.

- Data will be delivered with building updates
- Only existing buildings within the project AOI will be updated. Buildings outside of the County boundary but within the project AOI will not be added as it is outside of the SOW.
- Existing lidar is not in the format needed to extract the building heights. Sanborn investigated alternative solutions using imagery created DSM.

Deliverables and Schedule:

Task	Description	Delivery Method	Expected Completion Date	Actual Completion Date
Contract Executed			4/20/2021	4/22/2021
Imagery acquisition completion			4/30/2021	4/19/2021
QuickView for 3inch orthos	Sanborn Image QC™	Online	5/10/2021	4/20/2021
3-inch Orthoimagery				
Deliver pilot tiles	4 pilot tiles in GeoTIFF format	FTP	7/1/2021	6/16/21; 7/19/21
Client review of pilot tiles			7/7/2021; 7/9/2021	
Deliver 3inch orthos via Sanborn Image QC™	Cached GeoTiffs	Online	7/28/2021	7/23/21; corrections 9/13/21
Client review via Sanborn Image QC™ Completed		Online	8/11/2021	8/27/21
Deliver final 3inch orthos on hard drive	Tiled orthos (GeoTiff), project-wide mosaic (ECW 6:1 compression), metadata (XML), AT Report (PDF), Survey report (PDF), Ortho DEM (GeoTiff)	Hard drive	8/18/2021	
Final orthos WMTS	Sanborn hosted WMTS (1yr)	Online	8/18/2021, 11/5/21	
3-inch Oblique Imagery				
Deliver oblique imagery via Sanborn Oblique Analyst®	Sanborn hosting of oblique imagery via Sanborn Oblique Analyst® (1yr)	Online	8/18/2021	6/28/21
Client review		Online	9/1/2021	
Deliver oblique imagery on hard drive	JP2 10:1 compression	Hard drive		
Planimetrics: Edge of pavement, Parking Lots and buildings				

Task	Description	Delivery Method	Expected Completion Date	Actual Completion Date
Deliver pilot tiles	4 pilot tiles in GDB format	FTP	7/1/2021; revised 9/17/21	6/16/21; revised 9/10/21
Client review of pilot tiles			7/7/2021; 7/9/2021	8/17/21; 9/28/21
Deliver full AOI	Deliver full AOI of planimetrics in GDB format	FTP	10/19/21	10/19/21, 11/3/21
Client review completed				
Deliver final on hard drive	Deliver full AOI of planimetrics in GDB format	Hard drive		

Technical Issues

- Client has concerns with the alignment of planimetric and WMTS data in ESRI software. Initial investigation showed transformation set in ArcPro verse ArcMap. Client reprojected planimetric data to Web Mercator to match WMTS and a data shift is showing in ESRI when no transformation is applied or should be needed. Sanborn continues to investigate and may need to reach out to ESRI support to understand how software applies transformations/projections. Sanborn provided a few orthoimagery tiles in GeoTiff format and State Plane projection for client to review/compare via FTP on Nov. 17, 2021. Sanborn provided a sample of the planimetrics in web Mercator format via FTP on Dec. 16, 2021.

Action Items:

Sanborn

Action Item	Date opened	Date closed	Comments
Provide sample of oblique image in OIC	8/2/21		
Investigate plan/WMTS ESRI alignment	10/29/21		

Solano 2021 Team

Action Item	Date opened	Date closed	Comments

Completed Action Items:

Sanborn

Action Item	Date opened	Date closed	Comments

Solano 2021 Team

Action Item	Date opened	Date closed	Comments
Determine format of oblique imagery (GeoTiff or JPEG with compression ratio)	10/29/21	1/6/22	Sanborn provided requested samples 10/29/21: JP2 10:1 compression
Determine ECW compression for orthoimagery mosaic	10/29/21	1/6/22	Sanborn provided requested samples 10/29/21; ECW 6:1 compression