City of Philadelphia Question Responses
2024 Planimetrics RFI

#	Section #	Question	Response
1.		Do you have the exact resolution we'll be working with Accuplus Ortho?	3 inch or better
2.		Has your team decided on a timeline for this project?	Timeline is yet to be determined.
3.		Would you be willing to share a sample of the 2015 data with us?	The entire impervious surface dataset is available via open data at: https://opendataphilly.org/datasets/impervious-surfaces/
4.		Does the 2015 data have similar attribution and layer requirements as the new ask?	Yes, the new data would share the same basic schema and attributes as the 2015 data. We could also collect less features or add more and we could add new FCODE to existing features.
5.		Do you have an example you could share of the following layer/attribution style:	Vendor will use party walls for the purpose of splitting a building where there are row homes, twins and other similar situations and will create individual building polygons, but will be done in two phases: Definition: Vendor will capture Party Walls dividing ownership of buildings. Capture Method: Vendor will deliver a building polygon layer that contains the party wall cut included in it. Vendor will utilize Building Footprint provided by Vendor as baseline. Linear walls (defined wall separating housing units on row house building configuration) will be extracted. Imagery must support collection; line will not be inferred. Vendor will use the following base imagery or data layers to determine party walls (however, AccuPlus Ortho will be the primary source): i.) AccuPlus 3" Orthophotography ii.) PWD Parcels iii.) Oblique Imagery iv.) Address Based Data Vendor will use all tools at their disposal, including oblique imagery and street level imagery. Temporary access to these hosted solutions will be provided by City. Vendor will populate a field in Party Walls with either "Ortho" (captured from "Year" Ortho) or "Other" (captured via other sources of data such as DOR Parcels, Oblique Imagery, etc.)

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6.		Perhaps I missed it, but is there a delivery deadline or POP to meet when the RFQ is approved and awarded?	See section II of the RFI. No contract will be awarded pursuant to this RFI. Further, we do not have a set timeline for the project. One thing we're trying to learn is the approximate delivery schedule vendors are able to provide. Depending on requirements from the City and what method we decide to implement would affect the timeline.
7.		Code 1520 – looks like a water feature, but this code doesn't exist in the PDF for 2024 collection. Lots of water features look to be collected as 9999, which is vegetation.	So, there is an error in the codes listed for Hydrography. Regardless, these are sample codes. The sample codes lists were developed for the RFP for the 2015 data, so it's not entirely representative of what we'd be looking for this round. This is mostly meant to provide a rough example. There were also issues with the 2015 data capture and not everything was collected to the extent we had anticipated.
8.		I don't see the following codes/features in the 2015 data, but required for 2024: building decks, party walls, tanks, all water features (1500), marsh, rail, abandoned railroad, tree canopy. Are these all new additions to 2024?	No.
9.		Impervious surface have a code? I don't see it listed in the PDF with a code or in 2015 data. Is it a separate layer? It also mentions building heights for attribution, is that true?	FCODEs for the 2015 impervious surface layer are listed in the RFI document that was posted. The Impervious Surfaces layer is not one code but makes up many features extracted from orthophotography and then given an FCODE (feature code) based on the identified feature. Understanding this, the City again provides a list of FCODE that the vendor will follow when attributing the agreed upon features captured orthophotography. The City is not certain if building heights will be a requirement at this time, but is a possibility.
10.		Travelway bridge (1200) lists height as an attribute, is that required? I don't see any height values in the 2015 data.	Vendors should assume heights may be a requirement for any particular feature captured.
11.			

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12.		Who is the imagery provider?	Our current contract is with EagleView (Pictometry). However, we are in the process of reviewing proposals to award a new contract for digital aerial imagery capture (RFP closed 9/12/23). The selected vendor has not yet been determined.
13.		As a private corporation, we do not typically release this level of detailed information without additional confidentiality provisions. Can you the OIT please provide exact requirements for the financials and details on how this information would be kept confidential? To reduce the risk/concern of the private company, would the OIT be amenable to a letter from 3rd party financial institution supporting the financial stability of the company?)	Disclosing financials is not necessary in the response to this RFI. However, since financial information was a request in the RFI, in this instance, we would be amenable to a letter from a 3rd party financial institution supporting the financial stability of the company.
14.		What is the minimum size for tanks and concrete slabs? Are small residential propane tanks required to be captured?	The vendor should capture any tanks or concrete slabs larger than 20 square feet. No capture is requested for residential propane tanks.
15.		Will the City capture new Lidar in 2024 and can it be utilized as an ancillary source for this planimetric project? Will the City have a digital surface model with a normalized attribute to be used for deriving elevation off of structures?	In addition to orthophotography, the City will capture 8ppm Classified LiDAR in 2024. The vendor will also produce a new DEM and 1-foot contours from LiDAR. Anything beyond that, we can discuss further, including any necessary requirements in the contract with the vendor selected for the new digital aerial imagery noted in Question #12.
16.		Will Parcel and Address attributes be required to be updated from the existing building dataset?	No, parcel and address attribute updates will not be a requirement as part of the extraction of planimetrics from orthophotography. However, there will be requirements to attribute the planimetrics features captured. Also, there will be a requirement to capture building party walls, for the purpose of properly splitting row homes, twins, etc. while capturing building features. Selected vendor may suggest their own method for splitting buildings, but the City will make the Parcels layer available for use in this effort.

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17.		Please confirm that the planimetric layers listed on the Open Data portal are the specs the City will follow.	The City confirms that we are looking for a very similar data schema and spec for planimetrics to the one on Open Data to ensure the City will not need to make significant changes to current workflows because the schema changed. City may want to add or remove from the list of features captured or may want to add new or more FCODEs.
18.		Please confirm that the new 2024 source data, for this planimetric project, is from EagleView?	See Question #12.
19.		Does the City desire an all-new database, update of an existing database, or an evaluation of both solutions?	The City is seeking an all-new capture only.
20.			
21.		Will we be given controlled stereo-imagery with aerotriangulation data, or orthophotos? If controlled stereo-imagery will be provided, what sensor type was used for acquisition?	Yes, you will be provided controlled ortho GeoTiffs and an Aerial Triangulation report/data. The City cannot answer the sensor type until we contract with the imagery vendor.
22.		There is reference to "Exhibit A - Sample Feature List and Collection Criteria for Possible 2024 Planimetrics Capture". There is no such Exhibit included in the RFI. Could you please provide? We need a comprehensive list of all required feature classes. Your geodatabase design, or the relevant excerpt portion would be ideal, if possible.	Not including Exhibit A was an oversight when the RFI was posted. Please see the following link, last few pages: https://www.phila.gov/media/20230821170334/RFI-PWD-planimetric-data-20230821.pdf The entire impervious surface dataset is available via open data at https://opendataphilly.org/datasets/impervious-surfaces/
23.		Is the existing planimetric data homogeneous in its quality and accuracy, e.g., were all of the features created/updated using the same resolution imagery, and using the same methods and procedures? Have any of the updates been performed using other technologies, methods and procedures, e.g., GPS field data collection, conversion from paper as-builts.	All 2015 Impervious Surface layer updates were derived from 2015 orthophotography imagery only using the same method of collections/extraction across the project capture area.

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24.		Is there an RMSE accuracy associated with the existing planimetric geodatabase?	For 2015 orthophotography: $RMSE_{x \text{ or } y}$ = 0.75 ft $RMSE_r$ = 1.06 ft NSSDA (95%) 1.84 ft
25.		Is it possible to receive a sample of the existing data, or alternatively, is it viewable through an online platform?	See Question #22
26.		Is the City able to provide parcel level change data, based on information in your building permit database, e.g., parcels where it is known that changes have occurred? It is understood that a full review of the imagery for changes is still required.	A review of the parcel change is not necessary for the capture of impervious features. The vendor will simply extract features from the provided orthophotography.
27.		What would be the preferred scale for planimetric mapping i.e. 1"=50' scale or 1"=100'scale? Our recommendations based on 3-inch orthoimagery would be 1"=50' scale.	1"=50'
28.		Can you please confirm that 3-inch orthoimagery will be used for planimetric mapping? And this imagery would be collected as part of the recent RFP.	The City will provide 3 inch or better certified, corrected orthophotography.
29.		Would it be possible for the City to provide a list of features that it would like to have mapped? We assume this will be a new feature extraction.	https://www.phila.gov/media/20230821170334/RFI-PWD-planimetric-data-20230821.pdf