

Shasta Regional Transportation Agency
Response to Questions on Requests for Proposals (RFPs)
for
2016 Digital Orthoimagery Collection Project
(Posted January 28, 2016)

Q1: Is the completed proposal to be submitted as three hard copies (page 7) or via email to your attention (page 11)?

A1: *Good catch. Please submit proposals via email. Hard copies are not needed.*

Q2: Is there a modified 2004 DEM/DTM available that was used for the 2010 project?

A2: *We will make the 2004 DTM available for download. It is between 5-6 GB. It has not been modified to our knowledge. <ftp://ftp.ci.redding.ca.us/gis/CORDTM2004.zip>*

Q3: Can we get a shapefile of the exiting 2004 DEM/DTM?

A3: *No. The DTM will be provided at the ftp site listed in question 2.*

Q4: Are there vector files of the elevated structures such as bridges and overpasses available that were used for previous projects?

A4: *No. City of Redding has a bridge location point shapefile. It was not used for past projects. It has bridge information like span length and creek name.*

Q5: Are there permit records with metadata available to indicate areas of likely terrain change within the project area since 2010?

A5: *No. Partner organizations can be interviewed for this information once a contract is signed.*

Q6: May we obtain the existing project control data in a standard format with metadata or final survey report prior to proposal submittal?

A6: *The data is not available.*

Q7: Will the DEM used for the 2010 project available for reference?

A7: *We will make the 2004 DTM available for download. It is between 5-6 GB. It has not been modified to our knowledge. <ftp://ftp.ci.redding.ca.us/gis/CORDTM2004.zip>*

Q8: Are the existing control locations available for review?

A8: *No.*

Q9: Can your users handle large ortho tiles, say around 1 GB using your existing layout. At 3-inch resolution, the resulting file size (1 GB) would be four times bigger than your 6-inch 2010 orthos (275 MB).

A9: *We may be open to further dividing the original tiling scheme for 3-inch resolution imagery to reduce the individual tile file sizes. Interested contractors should describe any recommended changes to the tiling scheme and identify the effect on their proposed cost estimate. Scope, schedule and budget using the existing tiling scheme is still required.*

Q10: Who was the 2010 vendor that produced your 6-inch color orthos?

A10: *HJW, Oakland performed the flight. Our understanding is that they were bought out by PhotoScience who then became part of Quantum Spatial. Our further understanding is that there were two different agencies that procured imagery. HJW provided final product for city of Redding. Enplan provided final deliverable for SRTA.*

Q12: What camera was used?

A12: *In 2010, a Microsoft Ultracam X with AGPS/IMU was used.*

Q13: Was 2010 also flown with 80% forward overlap, 60 % sidelap? If not to this specifications, did the resulting orthophotos come out good and acceptable to SRTA and its users? This 80%-60% requirement will highly impact cost due to resulting increased flight lines and images. This specs. is normally required in highly urbanized areas with tall buildings and structures.

A13: *Yes, the 2010 flight was flown with 80% forward overlap, 60 % sidelap. We may be open to an alternative overlap and cost quote proposal such that we can see the cost difference. No matter the 80%-60% requirement will be required in the urbanized areas.*

Q14: How much did the 2010 orthophoto project cost?

A14: *Our understanding is that there were two different agencies that procured imagery that was all flown at one time. One project cost \$34,600. The other project cost \$40,000. The deliverables were different for each project, and there was coverage area overlap between the projects.*

Q15: How many ground control points were used for 2010, including checkpoints?

A15: *This information is not known.*

Q16: Can you share the control layout and coordinate values that was used in 2010?

A16: *The data is not available.*

Q17: Will the DEM/DTM data used for the 2010 project be made available?

A17: *We will make the 2004 DTM available for download. It is between 5-6 GB. It has not been modified to our knowledge. It is our understanding that HJW used the same DEM from 2004 for the 2010 flight. <ftp://ftp.ci.redding.ca.us/gis/CORDTM2004.zip>*

Q18: With reference to 3.5.5, page 21, this present RFP calls for higher resolution than the 2010 project. Thus project parameters of 2016 far exceed the 2010 series in terms of image resolution, clarity and positional accuracy. Assuming procedures and methodologies being equal, any variance between the two image datasets, particularly horizontal discrepancy, will naturally be in favor of the higher resolution data.

A18: The accuracy is expected to be more and the visual appearance at least as good or better if we contract 3 inch pixel resolution.