

## Appendix B: Checklist of Project Requirements/Specifications

R09-115CR

Requirement	Section Reference	Can requirement be met? Y/N	Vendor Comments
<b>Aerial Photography Specifications</b>			
Six (6) inch pixel resolution	2.5.1		
Photo scale of 1:9,600	2.5.2		
Horizontal accuracy to meet ASPRS Class 1 standards for 1" = 100' mapping	2.5.3		
Ability to use City-provided DEM	2.5.4		
Horizontal Datum: NAD83; Colorado State Plane Central Zone in U.S. survey feet.	2.5.5		
Flight dates, ground conditions, and delivery areas	2.5.6		
Digital aerial camera specifications	2.5.7		
Camera calibration report deliverable	2.5.7 & 2.9.1		
Digital camera owned by contractor? (not mandatory)	2.5.7		
Color (RGB) bands acquisition	2.5.8		
Flight conditions requirements	2.5.9		
Advance flight notification	2.5.9 & 2.9.1		
Flight lines specifications	2.5.10		
Flight plans deliverable	2.5.10 & 2.9.1		
Arrangments for Ft. Carson overflight authorization and approval (with City assistance)	2.5.10 & 2.9.1		
Reflight specifications	2.5.11		
Aircraft requirements	2.5.12		
Aircraft FAA documentation deliverable	2.5.12 & 2.9.1		
Aircraft owned by contractor? (not mandatory)	2.5.12		
Backup aircraft available? (not manadatory)	2.5.12		

Image spacing to provide full stereoscopic coverage	2.5.13		
Endlap specifications	2.5.14		
Sidelap specifications	2.5.15		
Crab specification	2.5.16		
Tilt specification	2.5.17		
Flight height specification to maintain photo scale	2.5.18		
Flight data tagging	2.5.19		
Disposition of original imagery as City property	2.5.20		
Delivery of original imagery in TIFF format	2.5.20 & 2.9.1		
Photo point index deliverable (including specified attributes)	2.5.21 & 2.9.1		
Prototype area deliverable	2.5.22, 2.9.1, & 2.9.2		

<b>Survey Control and Analytical Triangulation Requirements</b>			
Identification and location of ground control points	2.6.1		
Contractor responsible for targeting/paneling ground control points and checkpoints	2.6.1		
Contractor responsible for survey services, according to stated specifications, for any new control needed	2.6.2		
Survey report(s) deliverable for any new control established by contractor	2.6.2 & 2.9.1		
Control point data deliverable	2.6.3 & 2.9.1		
Analytical Aerial Triangulation and Airborne GPS methods	2.6.4		
Aerotriangulation accuracy standards	2.6.5		
Check points	2.6.6		
Aerial Triangulation report deliverable	2.6.7 & 2.9.1		

<b>Digital Imagery Requirements</b>			
Orthophoto deliverables by delivery area	2.7.1 & 2.9.1		
Imagery radiometry specifications	2.7.2		
Image quality specifications	2.7.3		
Image mosaicking specifications	2.7.4		
Imagery coordinate system	2.7.5		
Orthophoto file format requirements	2.7.6		
Quality control process	2.7.7		

<b>Optional Products</b>			
Digital stereo pair orthoblock files in ERDAS format	2.8.1		
Compressed image format (MrSID, etc.)	2.8.2		
"True ortho" imagery	2.8.2		
Other products	2.8.2		