E. 1. Post-Flight Reports (Logs) including:
- Flying height, altitude, scale and *ground sampling distance (GSD)*
- Direction of flight for each flight line.
- Numbering order of photography frames.
- Current USGS Calibration Report for film cameras
- Applicable calibration report for *digital sensor* including internal camera parameters.
- "Actual" photo center X, Y coordinates for all frames/strips (Virginia State Plane).

F. Also required for *digital sensor imagery*:
- Number of bands in imagery.
- Bit-depth of deliverable imagery.
- Exterior orientation data.
- ISPM/ISAT project electronic files for DMC digital cameras

G. QA/QC performed ASAP. Check that the produced photos are what was ordered. Also include, but limited to: forward overlap (62% desired), crab, drift, side stepping, film or imagery contrast, brightness, sharpness, debris, etc.

H. VDOT will provide consultant with letter of acceptance/rejection of aerial photography, survey control, and Photogrammetric Aerotriangulation.

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Deliverable:	<u>Orthophotos and File Index</u>
Send To:	State Photogrammetry Engineer
	VDOT
	1401 East Broad Street, Room 907
	Richmond, VA 23219
Due:	5 business days after generation and quality-review acceptance of the orthophotos are completed.
Notes:	Photogrammetry consultants will be expected to submit the completed orthophotos on CD or placed on VDOT FTP server. All orthophotos are to be delivered in <u>un-tiled</u> GeoTif (.tif), or tiff (.tif) with tiff-world-file (.tfw) format. The file index is to be a 2D Microstation file containing vector-shape representations of each orthophoto with each orthophoto file name written within the vector shape.
	Orthophotos generated for highway design must be georeferenced to the same coordinate base established for the location survey. Orthophotos generated for corridor studies may be on an arbitrary coordinate base as instructed by VDOT, providing the units are compatible with the design project. VDOT staff will

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