

Aerotriangulation reports and electronic files are to include the following information:

- 1) VDOT Project and UPC Number
- 2) Units (English or Metric)
- 3) Input Ground Control List
- 4) Adjusted Point List
- 5) Standard Deviation Tolerances for horizontal and vertical control
- 6) Individual Control Point Residuals
- 7) RMSE values for X-Y-Z coordinates
- 8) Input control withheld from final adjustment (ID, X-Y-Z withheld)
- 9) Complete set of as-flown photo center coordinates in text format.
- 10) For digital camera, additional deliverables include camera system project files, exterior orientation data, ground sampling distance/resolution, flight strips/images index, and target location map.

VDOT staff will review the adjustment and respond accordingly. Consultants are instructed to proceed with mapping activities after they have accepted the final adjustment.

DO NOT WAIT for VDOT's approval of the aerotriangulation report to proceed with mapping. Any noted problems regarding the adjustments will prompt immediate communication from VDOT to the respective consultant firm.

The following Photogrammetric Aerial Deliverables document will be included with all new aerial project requests:

### **Post-Aerial Flight Deliverables Check List**

Date of Request:		UPC:	
Route:		Activity:	
City/County/Town: _____			

### **Consultant Responsibilities**

- A. Prime consultants will perform full QA/QC on all aerial photographic deliverables before providing to VDOT
- B. Prime consultant will perform field and Photogrammetric Aerotriangulation QA/QC on survey control deliverables (if included as a task), before providing to VDOT. Include GPS Control Deliverables as referenced in VDOT Survey Manual and in the document **VDOTProjectDeliverables.docx**. Also include Photogrammetric Aerotriangulation QA/QC residual reports as referenced in **Section 5.15** of the VDOT Survey Manual.
- C. Un-annotated, processed, aerial negative film or *digital sensor imagery* files delivered.
- D. Flight folder and maps returned.