

applications include many of the same as for traditional aerial photography, but are not limited to: project scoping, public hearings, right-of-way claims, and project delineation, aerial photography mission planning, survey control diagrams. Imagery can be formatted for use on the primary VDOT graphics applications, in most any coordinate system and file format.

In response to increased demands for imagery (orthophotos, mosaics, etc.), the Photogrammetry Section has increased its image processing services and capabilities. VDOT has a large archive of color, and black and white aerial photography that can be converted into digital format. Rectified or non-rectified photos and mosaics can be generated from the aerial photography, and with the incorporation of a digital terrain model during processing, orthophotos can also be generated.

The Virginia Geographic Information Network (VGIN) developed the Virginia Base Mapping Program (VBMP) in 2002, which produced digital, color orthophotos at varying resolutions covering the entire state of Virginia. VDOT has procured a license to utilize the VBMP imagery. These images are updated every 2 to 4 years and are available for VDOT use on VDOT projects. The license agreement contains restrictions on the use of the imagery and users must understand and follow these restrictions.

To order VBMP imagery, complete a “Virginia Base Mapping Program Imagery Request Form” (LD-393, located at the end of this section). Also provide a location map (topographic map, Adobe .pdf, Google Earth .kmz, or other detailed project map)[◊] indicating the area of desired coverage. Submit the form and map to the Photogrammetry Unit at Central Office (email submittals are acceptable and encouraged). If the imagery will be used by a consultant performing work on any VDOT project, the VDOT project manager and the consultant must complete a VGIN contractor’s agreement and submit the completed agreement along with the imagery request form and annotated map.

All users of the VBMP imagery must read, understand, and abide by the license agreement, and the restrictions associated with imagery usage. For more information regarding the VBMP imagery, the contractor’s agreement, or to request non-VBMP image processing services, contact the State Photogrammetry Manager or the Photogrammetry Unit’s Image Analyst.

Additional VGIN/VBMP information available at the link:
<http://www.vita.virginia.gov/isp/default.aspx?id=8412>

Note: Copyright laws are in effect for current VBMP imagery.

[◊] April 2014