



March 2, 2019

MEMORANDUM OF UNDERSTANDING

WV Statewide Imagery Program | State Cooperative Purchase Contract

** Tucker County Aerial Imagery **

This Memorandum of Understanding (MOU) sets forth the terms and understanding among the contracted state Vendor (Blue Mountain / Thrasher Group), the State of West Virginia (West Virginia University), and the local government beneficiary (Tucker County, West Virginia) for the following professional services: 2019 countywide four-inch Aerial Imagery at a cost of \$8,420.

General Specifications

Table with 2 columns: Specification Name, Value. Rows include Area to be Covered (Tucker County, WV), Projected Flight Time (Leaf Off (February - April 2019)), Ground Sample Distance (4-inch pixel resolution), and Coordinate System (WV State Plane North, NAD83, Units in Feet).

Image Acceptance Criteria

Table with 2 columns: Criterion Name, Description. Rows include Horizontal Accuracy (ASPRS Class 1 Standard), Sun Angle (Greater than 30%), Image Quality (Clear and sharp in detail...), and Ortho-corrected (Ortho-rectification corrects for tip or tilt...).

Project Deliverables

Table with 2 columns: Deliverable Name, Description. Rows include Product(s) (Compressed countywide mosaic in MrSID format...), Delivery Date (No later than 10/1/2019), Documentation (Basic metadata documenting sources...), and Ownership (County and State. There are not restrictions...).

Price and Payment Information

- Total cost to the County is \$8,420
- The County will pay upon receipt of the aerial imagery deliverables
- The County will pay for the imagery over **one** budget cycle
- Payments made to Vendor Blue Mountain Inc.

FEMA Grant Cost Share Information

- Total cost share by FEMA / WVDHESM is \$10,525
- Cost share funding is from FEMA’s Hazard Mitigation Grant Program, Statewide Multi-Hazard Risk Assessments (TEIF/TEAL), Project Number: FEMA-4273-DR-WV-0031. The grant recipient is the State Hazard Mitigation Office, WV Division of Homeland Security and Emergency Management; grant sub-recipient the WV GIS Technical Center at West Virginia University.
- Current leaf-off aerial imagery is an important base map layer for pinpointing and identifying structures in at-risk hazard zones.

Price Table

County	Square Miles	Spatial Resolution	Cost per square mile	County Share	FEMA Grant Share	Total Cost
TUCKER COUNTY	421	4-inch	\$45	\$8,420	\$10,525	\$18,945

Partner Responsibilities


RESPONSIBILITIES
<p>VENDOR: [Blue Mountain Inc., part of Thrasher Group]</p> <ul style="list-style-type: none"> • Lead technical unit for coordinating, acquiring, and processing all deliverables • Complete aerial imagery tasks and deliverables in accordance with WVU State Contract U19Thrasher dated February 27, 2019. Follow standards, specifications, QA/QC, and pricing schedules in accordance with same contract. <ul style="list-style-type: none"> ◦ http://data.wvgis.wvu.edu/pub/temp/FEMA/FRA/Contracts/WV_State_Aerial_Imagery_Contract_U19THRASHER_20190227.pdf • Coordinate with the State Program Manager on priorities/schedules and deliverables • Submit a Statement of Work/Memorandum of Understanding for each mapping activity to include specifications, timelines, budget, and deliverables for each jurisdiction for approval by State and local authorities • Execute start-up and closing meetings for each mapping activity • Submit monthly processing progress reports to State and County during acquisition and processing phases of project
<p>STATE: [West Virginia University]</p> <ul style="list-style-type: none"> • Assist with the Memorandum of Understanding/Statement of Work agreements • Administer WV Statewide Imagery Program (WVSIP)

RESPONSIBILITIES

LOCAL: [Tucker County]

- Provide operational and payment points of contact for the project
- Review and approve the Statement of Work/Memorandum of Understanding that includes specifications, timelines, and deliverables for each jurisdiction
- Provide input to the vendor on file formats and coordinate systems for computer-aided dispatch (CAD), geographic information systems, etc.
- Upon project completion:
 - Send a Letter of Appreciation to grant sponsors using a letter template provided by the State
 - Complete an online survey on client satisfaction regarding overall project implementation and deliverables

Partner Signatures

Partner	Authorized Representative	Signature and Date
Vendor	Jacob Darrah Senior GIS & Remote Sensing Manager Blue Mountain, part of The Thrasher Group (304) 662-6486 jdarrah@thethrashergroup.com	
State	Kurt Donaldson Manager WV GIS Technical Center West Virginia University (304) 293-9467 kdonalds@wvu.edu	Kurt Donaldson Digitally signed by Kurt Donaldson DN: cn=Kurt Donaldson, o=West Virginia University, ou=WV GIS Technical Center, email=kdonalds@wvu.edu, c=US Date: 2019.03.02 23:21:48 -05'00'
Local	James "Chris" Michael Tucker County Assessor (304) 478-3727 cmichael@tuckerassessor.com << Billing Contact >> Same as above	