



HIGH GROUND AERIAL

NOT JUST PHOTOS. VERIFIED DATA.

Engineering-Grade Aerial Intelligence | NDAA-Compliant | Wichita, KS

CAPABILITY STATEMENT

COMPANY OVERVIEW

High Ground Aerial provides engineering-grade aerial data capture, 3D photogrammetry, and digital twin services for heavy civil, infrastructure, and commercial construction projects. Utilizing a strictly NDAA-compliant fleet and advanced software integrations, we deliver survey-grade topography, automated structural inspections, and comprehensive site documentation directly into our clients' BIM, CAD, and project management workflows.

COMPANY DATA

Business Type	LLC
UEI	KHLXZH1G2UM3
CAGE Code	1A4P1
NAICS (Primary)	541370 Surveying & Mapping
NAICS	541990 Prof. & Technical Svcs.
NAICS	541922 Commercial Photography

CORE COMPETENCIES

► Heavy Civil & Corridor Mapping

Centimeter-accurate 2D orthomosaics and 3D point clouds for highway and infrastructure expansion.

► Earthwork & Volumetrics

Rapid cut/fill analysis and stockpile volume calculations to support grading and earthwork verification.

► Automated Bridge & Structural Inspection

Close-proximity, AI-navigated inspections in GPS-denied environments including underneath bridges and tight corridors.

► Project Management Integration

Seamless data delivery into Procore, Civil 3D, MicroStation, and GIS platforms with zero manual import steps.

KEY DIFFERENTIATORS

★ 100% NDAA-Compliant | BLUE UAS Listed Hardware

American-made Skydio X10 fleet — immediate compliance for federally and state-funded DOT projects. Zero DJI or blacklisted hardware.

◆ Engineering-Ready Data Deliverables

Dense .LAS point clouds, Digital Elevation Models (DEM), 2D orthomosaics, and CAD-ready outputs — not just imagery.

▲ Unmatched Obstacle Avoidance

AI-driven autonomous navigation enables safe flight beneath bridges, inside structures, and near substations where GPS drones fail.

TECHNOLOGY & EQUIPMENT

UAS FLEET

Skydio X10

American-made | IP55 weather rated | AI obstacle avoidance

DATA PROCESSING

DroneDeploy / Pix4D

Enterprise photogrammetry | Point cloud | Digital twin generation

DELIVERABLES

.LAS / DEM / OBJ

Point clouds | Elevation models | CAD-ready | Secure cloud portal