

# LAMP MAPPING & PHOTOGRAPHY

AERIAL CARTOGRAPHICS OF AMERICA, INC.

*"Going Beyond all Maps and Boundaries"*



## LAMP: Low Altitude Mapping Photography

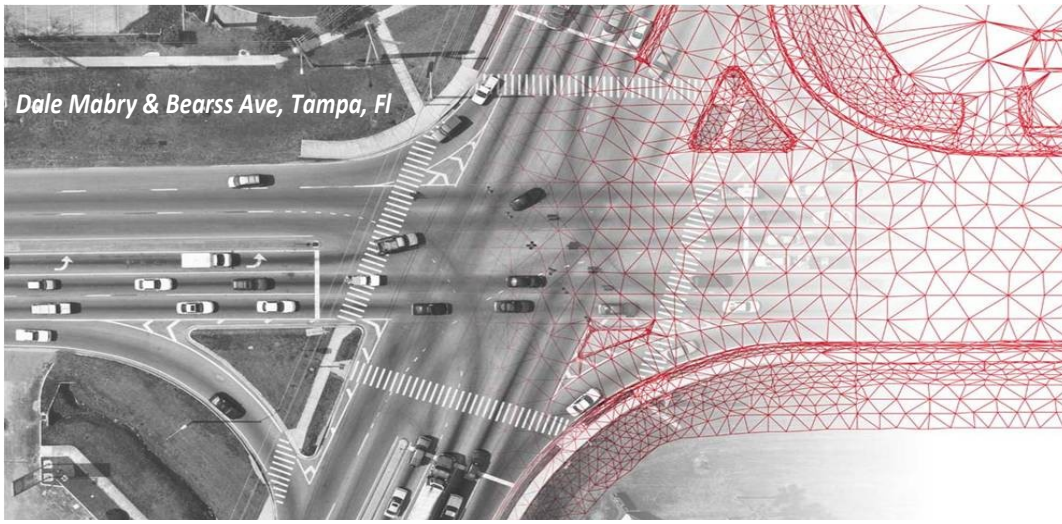
**A**CA is the leader and expert in Low Altitude and Medium Altitude Mapping Photography LAMP/MAMP. ACA pioneered this technology 20 years ago and has flown over 1500 miles of roads, Interstates, interchanges and rail corridors with this unique photogrammetric mapping approach. Our experienced compilers collect Digital Terrain Model elevations at an astounding survey grade vertical accuracy better than +/- 0.05 ft. Our licensed professionals have successfully completed major interstate projects exceeding technical specifications and client expectations.

LAMP is the safest technical approach to create a new Digital Terrain Model of the hard paved surfaces and the right of way corridor. It keeps surveyors out of harms way while at the same time using licensed surveying professionals to collect required ground data for a fully integrated DTM.

MAMP is the same as LAMP except it is flown at a higher altitude creating a DTM with a vertical accuracy of +/- 0.10 ft. MAMP is less costly than LAMP for projects with tighter cost constraints.

## APPLICATIONS FOR LAMP & MAMP PHOTOGRAPHY

- Roads
- Rails
- Interstates
- Interchanges
- Airport Runways & Taxiways
- Intermodal Connections



Roads & Rails



Intermodal Interconnects  
Roads, Rails & Airports

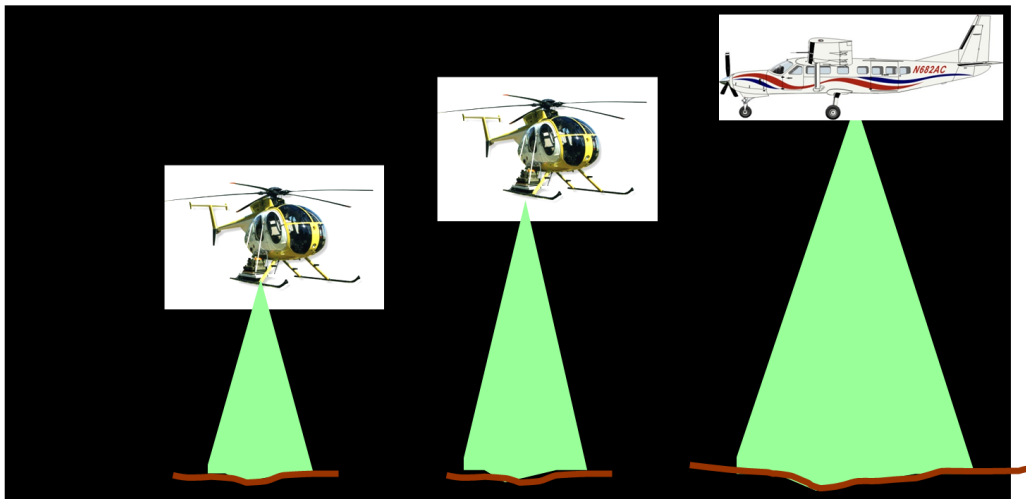


Interchanges & Bridges



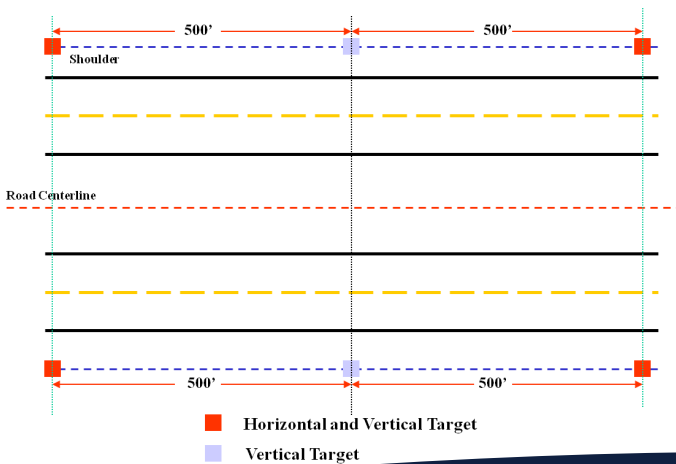
Airport Runways & Taxiways

## LAMP vs. Fixed-Wing



Lowest Flight Altitude	360 feet	700 feet	Lowest Flight Altitude	1200 feet
Negative Scale	1"=60'	1"=133'	Negative Scale	1"=200'
Spot Elevation Accuracy	+/- 0.05'	+/- 0.10'	Spot Elevation Accuracy	+/- 0.17'

### Typical Survey Target Layout



WE ARE THE FULL DIGITAL SOLUTION FOR YOUR MAPPING AND GIS NEEDS



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