



VELOCITY 1 LLC

THE NEW PARADIGM FOR 21ST CENTURY AVIATION™

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The V1 Project - Mission Brief

VI is an advocacy platform for creating the free-market provision and consumption of U.S. aviation infrastructure capacity.

The Problem: U.S. aviation infrastructure capacity is under-supplied and over-consumed. The air transportation congestion which this precipitates represents an unsustainable waste of U.S. economic productivity and resources in an increasingly competitive global market place. *VI* recognizes two main causes of this congestion:

1. **Dynamics of under-supply:** Centralized and monopolistic federal agencies such as the DOT, FAA, ATO, and ATC, continue to govern national aviation infrastructure, but consistently demonstrate an irreconcilable inability to keep pace with the free market demand for air travel.
2. **Dynamics of over-consumption:** Entrenched industry and government interests such as the ATA, NBAA, AOPA, NATCA, and Essential Air Service municipalities, rationally seek to protect their equity stakes in the absence of free market mechanisms for determining the economically efficient allocation of aviation resources.

The Proposed Solution: In order to allow air transportation to meet its potential as a critical enabler of U.S. GDP growth, it is proposed that the free market demand for air travel be satisfied by a free market supply of aviation infrastructure capacity. It is recognized that this would represent nothing less than a paradigm shift in the provision and operation of safe-separation airspace and runway environment capacity in the U.S. It is also recognized that this proposal is technologically achievable given *already existing* aviation navigation technology, and that the greatest obstacles to its achievement reside in the realms of public policy and the re-allocation of industry rents and stakeholder equity.

Facilitating the Solution: To facilitate a full and honest examination of this proposal, and to present the holistic value it represents to consumers of domestic air travel, as well as toward the growth of U.S. GDP, *VI* intends to stimulate a national conversation throughout industry, academia, federal bureaus, the legislature and consumer groups. Through this conversation, *VI* will press the proposal that the provision and operation of aviation infrastructure capacity must be released from federal control and be re-created as a *ubiquitous utility* and a *tradable commodity*; much like the free market provision and trade of electrical power generating capacity. It is proposed that the nominal unit of trade should be 4-dimensional airborne trajectories (the 3 spatial dimensions, plus time), in markets defined by the point of departure and the point of arrival.

To initiate this conversation, *VI* has prepared a 65-page research proposal. *The V1 Concept of Air Transportation Management* may be downloaded at: <http://velocity1llc.wordpress.com>

CREATING THE FUTURE AT THE MARGIN BETWEEN 'THE NOW' AND 'THE NEXT'.™

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