

WHY IS IT INNOVATIVE

1. National Experiment in Colorado with Six Smart Infrastructures sharing a common 30' x 30' corridor (See www.binghamlabs.com, Column 1)

This is a shared corridor downtown Denver to the Mountain resorts See Interactive [Downtown 130- mile to Mountain Resorts](#)

2. Skyways is powered by electrolysis either by Fuel Cell or new form of electrolysis which we are working on
See the Column3 Electrolysis Research Agenda

3. We Intend someday to partner with the State so someday CDOT will be master controller for the entire State by their quarters near Downtown Denver (See [Letter Governor Polis 2.4.pdf](#))

4. The experiment will use wheel motors in city and Linear Induction cross country see [Linear Induction.pdf](#)
<https://www.binghamlabs.com/docs/LinearInduction.pdf>

5. We have modeled a smart district for each Mountain Town to handle the funds and the operation See [Vail-Example.pdf](#)
Each smart district will work with the town to drive a route for Driverless car to collect and deliver traffic for the station

6. We want to raise planning capital thru a combination of Crowdfunding, grants and convertible debenture See [Funding Options](#)

7. With all the revenue combinations we think a revenue bond should be able to pay 3% interest, 3.3 % 30 amortization + 50% of the surplus which with all its different sources of revenue should be quite lucrative see [Revenue Bonds State Legislation.pdf](#)

The purpose of the grant is to show these ideas to the community and learn what they will support. See: [Public Inquiry Dashboard](#) We plan to use Google tools like Google Earth mapping, Statical Analysis, cloud storage, and daily email distribution to news stations. It should work better than community meeting

WHY IS IT BETTER

1. **Cheaper-** Can people get by without a car. Yes, if the last mile to their destination has a solution. The costs of keeping a car has been so expensive. AAA's latest data shows that the average cost of owning and operating a new car in the U.S. is roughly \$12,000 per year, or about 80 cents per mile. Even used cars has been too expensive for the elderly, students, poor people and tourism. Yet cars sit 80% to 90% of the time unused.
2. **More convenience.** Do people prefer speed or convenience. We think they prefer convenience which is why we want to build on the business street in every town and less on highways.
3. **It accommodate more resorts traffic-** Interstate 70 is very crowded. Widen it would be a nightmare. And it is often unsafe to travel in any kind of weather even in summer.
4. **Visual appeal-** Skyways is sleek looking with column every only 75 feet apart . It is small compared the bigger bulky elevated look of light Rail bridges and crossing. It has less visual intrusion. The cars and buses are styled to look fast and different than the boxy counterparts.
5. **More Effective delivery techniques.** By using the Skyways Backbone at night, delivery can have more volume, take trucks off the highway, better safety, and better service.
6. **Last mile solution of driverless car on a dedicated path.** Each station should connect to a driverless vehicle that circulates throughout the neighborhood and solves the last mile problem. Every car manufacturer has an experimental driverless vehicle they would like to get exposure for, and this is a good way to do that. A dedicated path is a factor that having roaming vehicles mixed with regular traffic.

Transfer To Practice

INTRODUCTION OF SKYWAYS BACKBONE

This represents decades of research with Disney chief engineer Kent Bingham after retirement. We purchase airport and tried to build something. The 2009 recession cost us that. Kent died and Bingham Labs want to get these ideas, before the public and decision makers.

There is no better way to Transfer to Practice than using the new tools of podcasting, tracking email exchanges and reporting to social media, news and legislators. We want start a public discussion about the Future of Transit In Colorado using the new tools. There are a lot of new technology that can be considered. We think they can share the same 30' x 30' corridors and solve several problems at once like Right-of-Way, AI control, dedicated driverless path for collection and distribution of passenger by driverless vehicles to stations to hotels, restaurant, skiing and other activities.

This grant to Intended to illustrate our story about what is possible and use the latest Fiber, cable and TV to distribute a podcast and track the results for news and legislative action.

Work Plan

PRINCIPLE INVESTIGATOR CDC **\$75,000**

BINGHAM LABS OVERHEAD **\$10,000**

PUBLIC DISCUSSION **\$25,000**

GOOGLE STATICAL ANALYSIS PLUS
BINGHAM LABS VIDEO & PODCASTS By our IT
partners Apprantant- Technology who has
done all of our videos to date

GOOGLE TOOLS **\$40,000**

GOOGLE EARTH, VIDEO,
DIRECT EMAIL TO NEWS AND LEGISLATOR

TOTAL **\$150,000**

PRINCIPAL INVESTIGATORS



Conceptual Design Group:

<https://condznggrp.com/> Architects and Industrial Designers collaborating on award winning projects since 1983 - Crafting an engaging, impactful, and professional presentation.

INTELLIGENT VEHICLE HIGHWAY SYSTEMS, California



Over the last two decades, we have done projects for Major Corporations worldwide. Some of our partners in progress have been:

- The Walt Disney Company
- Universal Studios
- Time-Warner Entertainment
- MGM Grand
- AT&T Systems Integration
- JVC Computer Products
- Ford Motor Company
- Boeing Aerospace
- SpaceHab
- NASA
- The Mandalay Bay Resort
- United Arab Emirates
- Government of Hong Kong
- CalTrans
- City of Irvine
- City of Anaheim
- WATG International
- HOK International



We plan to use Google as our only Industry Partner in this Grant

2. Principal Investigator (PI) & Team organization background, DevOps & AI engineer.

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DELIVERABLES

AN INTERACTIVE MAP ON GOOGLE EARTH ILLUSTRATING THE ROUTE FROM DOWNTOWN DENVER TO THE EAGLE COUNTY AIRPORT 130- MILES NOT INCLUDING AN OPTIONAL 70-MILE ROUTE FROM COLFAX UP TO FT COLLINS

FOCUS 50% OF THE WORK ON LEG # 1 AT DENVER ENTRY 6- MILES (SEE [THE EMBARCADERO LOOP.PDF](#))

USE 25 % OF THE WORK ON LEG # 2 TO GOLDEN 8-MILES (SEE [BINGHAMLABS.COM/DOCS/2NDLEGCOLFAXCONCOURSEMALLS2.PDF](#))

USE 25% FOR THE ILLUSTRATION TO THE MOUNTAINS 120-MILES TO EAGLE COUNTY AIRPORT (SEE [4TH LEGI-70CORRIDOR21225.PDF](#))

A PUBLIC DISCUSSION USING GOOGLE TOOLS THAT CAN TRACK RESPONSES' WITH EMAIL TO NEWS AND LEGATORS (SEE [PUBLIC INQUIRY DASHBOARD](#))
BINGHAM LABS WILL GIVEN WEEKLY PODCAST THAT SHOW THE ILLUSTRATIONS, POSE QUESTIONS, AND DISTRIBUTED ON SOCIAL MEDIA

VIDEO: IMPROVE EXISTING VIDEO OF MOUNTAIN OF THE ROUTE (SEE [LLOYDGOFF.COM/LEG41224.MP4](#))

AMINATION: CATEGORIZED THE YOUTUBE VIDEO SO THAT IT STARTING WITH THE SKYWAYS STORY

CONCLUSION

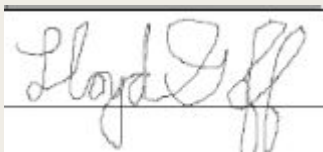
Bridging the Future by Modernizing American Infrastructure

America is at a critical crossroads, and traditional approaches are no longer enough. Our transportation ideas need an overhaul. We only occasionally use our cars, buses, and light rail. We need to **experiment** in order to find better technology, that the public will want. Even that is expensive, but it can be done with illustrations. A Colorado experience we that propose would attract at least nation interest, maybe even world-wide. To secure the necessary capital, new projects could be integrated with smart, multi-functional infrastructure—creating a highly attractive proposition for modern funding and public-private partnerships. But to need a starter for that process. That is why we are asking TRB to illustrate mix of new technology and that use modern tools to get people talking. The future is groupthink and we have submitted a formula to try it..

Over the past 25 years, the U.S. population surged by more than 60 million people. The projections for the next quarter-century demand immediate, forward-thinking action:

- **Population Growth:** Anticipating an influx of 37 million more people to add to our transportation networks.
- **Demographic Shift:** An aging population, with the median age climbing toward 42–44.
- **Economic Standing:** Maintaining a dominant position as the first or second largest economy globally.
- **Labor Evolution:** A workforce increasingly reliant on automation and strategic immigration.
- **Geographic Redistribution:** Rapid urbanization concentrated heavily in the Sun Belt and the Mountain West.
- **Resource Strain:** Escalating demands on transit, energy grid capacity, water management, and housing stock. If cities could rely of fast, inexpensive transportation, building out further could provide cheaper land, less regulation, more farmers and even technology parks.

Our infrastructure must evolve to handle a denser population, a faster-moving lifestyle, and booming tourism. This national challenge presents a unique opportunity for Colorado. By experimenting in bold, transformative infrastructure, the state can accommodate this rapid influx, revitalize its competitive edge, and fully regain its mojo.

A handwritten signature in black ink, appearing to read "Lloyd Jeff", is written on a white rectangular background.