$3 Million Narration

for Ai Smart Grid with Personal Agents

Downtown Denver Development Authority

By Bingham Labs and Partners

November 11, 2025

This is one of six smart infrastructures proposed by Bingham Labs to stimulate economic development in Colorado. This document proposes a template for gradual funding of 4 smart infrastructures that starts with $3 Million for a prototype, then $100 Million for a Proof-of-Concept corridor on Colfax and finally $1 Billion for a 210-mile 25 town National Experiment from Downtown up I-70 to the mountain resorts. The transportation element follows the same template but is 5 times bigger. (see attachments for the Big Picture on page 7)

Project Title: Personal Agents Smart Grid Pilot Corridor – Denver to Golden

1. Applicant Information

- Organization: Bingham Labs LLC
- Primary Contact: Lloyd Goff, Founder & Director
- Email / Phone: lloydrgoff@gmail.com (303) 598-2379
- Website: existing www.llloydgoff.com, under construction binghamlabs.com
- Legal Entity Type: Colorado LLC

Eligibility #**2. Business Incentives:** To assist businesses to expand, increase their employee's productivity or establish operations within the DDA boundary, creating significant economic growth in the downtown core

2. Project Summary – Video Animation Introduction

Mission is to facilitate better communications, leading to higher understanding and group think for economic development Bingham Labs is working on a Smart-grid Experiment using a Tablet programed with software that has selected Ai programing including some as an agent. Using any grant funds we can find, Bingham Labs propose to hire a prime contractor like Comcast to create a 100–200-person beta test in the DDA grid area and along 15th Street in both directions. Comcast currently supplies internet including cell phone technology at $40 per month for one year. The grant goal will be to propose a transformative smart grid that increases the productivity of users just by talking to the Ai. We also plan to offer agentic automation as an agent. A few examples are users that instruct their Agent to write a letter, look up an address, create a monthly budget, schedule a meeting, sort emails by important and unsubscribe to junk, navigate on their TV, order food, collect medical results, find and take a class.
Although there is currently lots of talk about service for personal assistants use, it is random compared to a focused intent of assistance in a corridor that Bingham Labs believes will create more economic activity and synergy. In addition, including A.I. with personal agents is new and needs models. Most models don't include the software that comes with our Ai agents. This is an economic development project meant to stimulate growth. Bingham Labs has already applied for a $3 million grant for evaluation from the Congressional Transit and Infrastructure Subcommittee. By applying for the DDA $3 million it would open the door to several larger funds such

as for a $100 million smart grid corridor from downtown to Golden along Colfax, followed by an even bigger commercial network using the same existing internet technology and Right-of-Way. After all that a companion Ai Factories model could then attach itself to the doors opened by the smart-grid. This is the biggest money maker and Denver is uniquely equipped with 6 to 7 public arenas that can originate and display the new kinds of holographic media that are coming. (see map-page 8).

This new application for a $3 million grant to DDA is intended to show and test prototype models. This $100 million funding is a 14-mile "Proof-of-Concept" for a later 210-mile National Experiment model linking 25 towns. The application activates new smart infrastructure, creating jobs, catalyzing innovation, and positioning Denver as the launchpad for a national experiment in next-generation digital storage and connectivity – The project will open an office in downtown Denver to display/use some of the new technology. Here is how it works:

Video animation Introduction

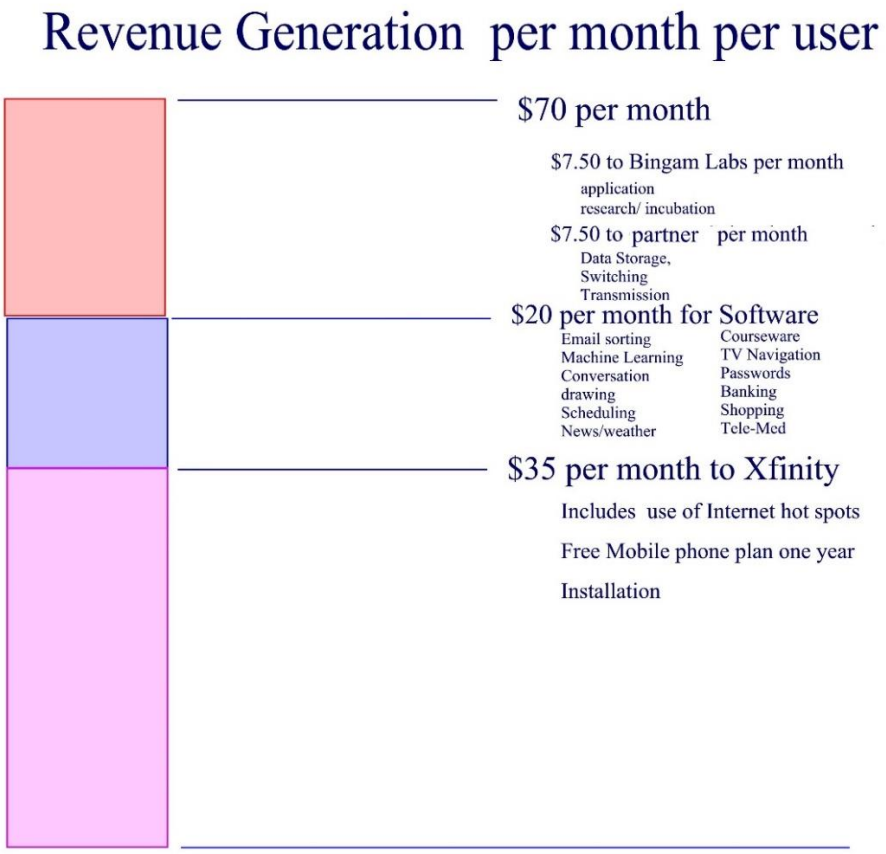
Stimulates a $100 Million Fund

Assume, one million people live within one mile of the 14-mile route from Denver to Golden. Then 100,000 subscribers (10%) paying $100 per month or $1200 pr year will generate $120,000,000. If we use 70% for expenses and 6.3 % for debt service, this leaves 24% for net surplus or profit. One half goes to capital and the other ½ goes to the partnership between Bingham Labs and Partners. The Commercial technology will be next after this one is up and running. It will need to be more robust, faster and serve a bigger audience including business, banking, energy, universities, military,

Image of Tablet with Ai Assistance on it

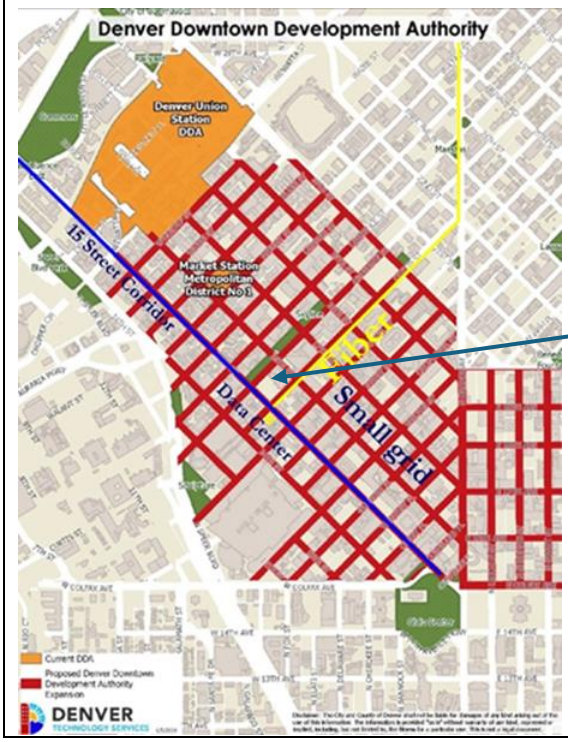
Tablet includes cell phone chip, wireless to laptop, desktop, TV, projector, large screen display, printers, cameras and any digital device. Its voice and screen prompts can navigate anything, video conference, draw, assemble and write. It uses only existing technology.

manufacturing, travel, construction and hospitals/clinics- the new oil.



Example of the downtown grid (red) versus the corridor (blue)

3. Location and Site Details



Data Center Headquarters for CoreSite

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- There are two sites for this grant: a small grid somewhere around the south side of downtown next to 15th Street and 15the Street as a corridor using CoreSite's building at 15th and Stout as a headquarters.

- District Interface: Launch point for Beta Testing is within DDA boundaries probably along 15th Street; by the old Public Service Building, adjacent parcels eligible for petition

- Zoning: Compatible with new smart transport on Colfax, mixed-use Colfax malls, infrastructure, and innovation overlay. Downtown Denver has the largest density of workers, about 150,000, about 30,000 residents, maybe 16,000-day visitors and over 20,000 overnight visitors.

4. Funding Request

- Amount Requested: $3 million grant for prototype development, technology debate and district support for exploring a $100 Million Personal Agents network.

- Use of Funds: $1.5 million to have a prime contractor like Comcast build 2 digital prototypes: one as a grid and the other as a corridor for use in beta testing, and supply 100 to 200 people with free Personal assistants for one year in exchange for training and evaluating. Then $1.0 million to pay for front end expenses such as engineering, public discussion and evaluations of costs and revenues by third parties. Lastly, $500,000 to create a template for future special districts, public debate and prep work on $100 million in bonds for a Colfax Proof-of-concept smart grid from DDA to Golden.

- Site preparation will be needed for an office with displays to be set up somewhere in the downtown area.

- Infrastructure enhancements need a plan for serving within DDA boundaries and selecting framework for a Personal A.I. Assistant public grid.

- Type of Support: Infrastructure investment and activation grant mtg weekly

5. Project Budget and Leverage

- The budget to design/build prototype models is $3 million. See attachments at the end. Additional funds may come from other grants. It will illustrate a package of the full prototype network for this 14-mile proof-of-concept that is in the range of $100 million. This uses Colfax as the corridor and includes small grids like downtown, Area behind Union Station, and selected neighborhoods along the corridor. A commercial network for companies, universities, banking, military, and government is planned after the personal network proof-of-Concept is built. It may require additional revenue bonds to build it, but we will have the revenue evidence from the initial project to show.

- Our Financing Model: expected to be provided by public finance such as Revenue Bonds, with no public taxation.
- Leverage: DDA funds represent 3% of activation and public interface costs

Timeline:

- Q1 2026: Evaluation, testing, economics and public debate.
- Q4 2026: Final design, prototype engineering, vote, revenue bond funding
- Q2–Q4 2027: Construction and deployment of Personal Assistants
- Q1 2028: Public launch and evaluation

6. Community Impact

- Economic Development: Positions Denver as a hub for smart grids and AI media and a huge ripple effect in jobs from each phase of the project, planning, design, engineering, funding, construction, operations and integration. The project could afford to pay for a variety of training programs as a trade for future cheap labor and a ready supply of future workers to grow, operate, monitor and maintain. We could focus our public debate on Generation Z with our digital models and grow them into a powerful voting bloc especially recent graduates

- Productivity – help individual with digital chores like monitor, instruct, delegate

- Public Space Activation: Integrates digital corridors with parks, civic venues, and cultural programming such as an idea for a Cheery Creek History Walk

- Innovation Ecosystem: This is economic development activity meant to stimulate local startups, universities, and workforce productivity development. We will reach this audience thru digital systems like podcasting and social media.

- By banding together as an economic development capacity, we can experiment at a large scale to evaluate investing in revenue bonds.

7. Partnerships and Stakeholders

- Public Partners: State of Colorado (Bingham Labs proposes 50/50 Public Private Partnership) with the State, with the City of Denver, Bingham Labs proposes a prototype special district template that all the other towns will use in a proposed public private partnership agreement presented to voters. Denver will get the prototypes for beta testing

- Private Sector: Think about what we could do with a team from big tech like (exploratory) Internet providers: Comcast, Google, Amazon, Microsoft, Version and A.I. media firms, modular data center developers, Stadium and Kroenke Developments. A proposal to Comcast as the prime contractor is attached.

- Academic: University of Colorado for A.I. research campus at Auraria, Colorado School of Mines, Regis, Denver University

- Community Engagement: Downtown Denver Authority represents the largest market around so this project should get their agreements to the grid boundaries, locations of modular data centers and trunk lines for collection and distribution of services. See the map on the page 4 for a grid vs corridor schematic. Stakeholder subscription should be as low cost as possible to get started say $70 per month. Rather than public forums we propose a new form of economic development that has a digital public debate, with a new question every week for 50 weeks until the next election. A weekly podcast debates the question of the week, and responses are made public. Government authorities should participate.

8. Economic Building Blocks: Vision & Opportunity

- Deploy AI-powered smart-grid infrastructure along a 14-mile Colfax corridor
- Serve 100,000 residents within 1-mile radius + 25,000 metro subscribers
- Monetize 75,000 monthly tourist users with dynamic access in hotel rooms
- Align with Denver DDA's Plan of Development and Ball Arena milestones
- We have been studying a way to get the community involved with allocating funds for stories of Denver's early history. This could evolve into a Cheery Creek history walk where previous artwork has grown stale. (Available on request)

Subscriber Economic Sketch

At this point in concept evaluation, economics are like a sketch on back of an envelope, but it does illustrate the concept. The return could be anywhere from 50% less to more than double.

Segment	Count	Monthly Rate	Monthly Revenue
Corridor Residents	100,000	$70	$7.0M
Metro Subscribers	25,000	$100	$2.5M
Tourist Users (Occasional)	75,000 est.	~$85 avg	$6.375M
Total Monthly Revenue	—	—	**$15.875M**

Category	Amount
Annual Revenue	$190.5M
Operating Expenses	$120.0M (63%)
Debt Service	$6.3M
Net Profit	$57.2M (30%)

The Attachments

* The Big Picture A $10 Billion National Experiment for Colorado
- Interactive Preliminary corridor map
- Evaluation Proposal to Congressional Committee (In May 2025)
- ddda business incentive application
- DDA Amended Plan of development

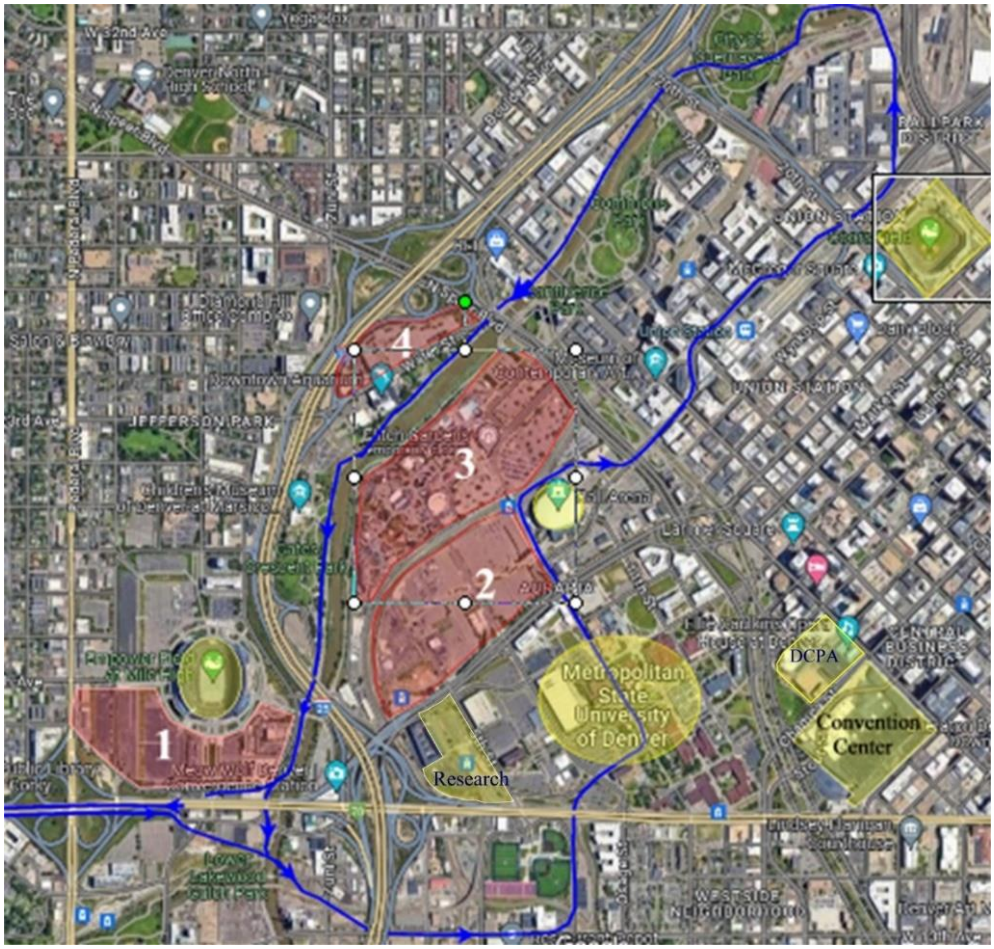
Appendix

$3 Million Stimulates $100 Million Platte Valley Loop

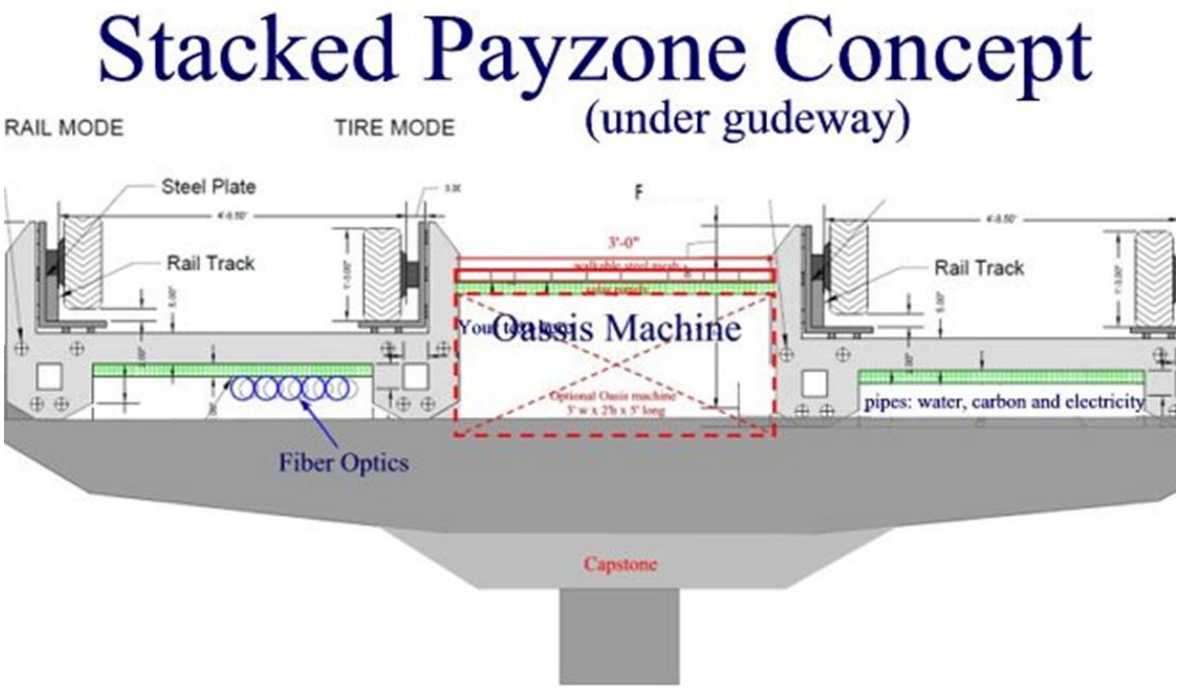
A working prototype is expected to draw attention to planning the other proposed smart infrastructures such as the first Leg of the Colfax route to the mountains. The Smart Grid of Personal Agents will only be one of six smart infrastructures, but it will be first and followed by an Ai Holographic Media technology for capture and display. This is so new it will require a research center for Storage and Transmission of the more dense and complex media technologies shown below.

Leg # I is the Platte Valley Embarcadero Loop**.** This is a 5-to-6-mile route of all six infrastructures which must be coordinated for construction as the digital media are hung from framework of the guideway as shown in the sketch below. The yellow

areas are potentially Ai Factories or World Stages from adding Ai Holographic media later. The red zones are for development.



See slideshow



Digital media can be incorporated into the Guideway structure by hanging 3" fiber optic pipes underneath the Guideway creating thousands of streaming channels. Water and carbon can use the same easement but mostly on the ground.

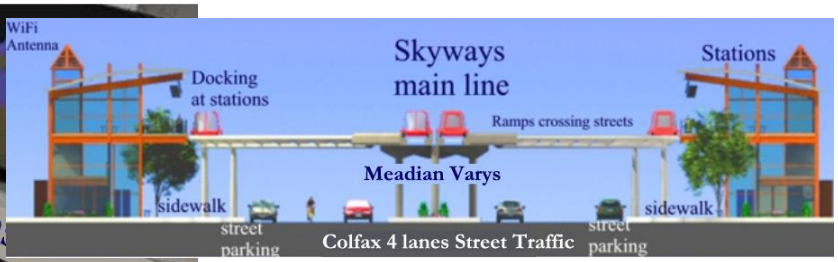
These are the kinds of Ai media displays these pipes can contain

To activate links, See UniversalMind31225.pdf slide 15

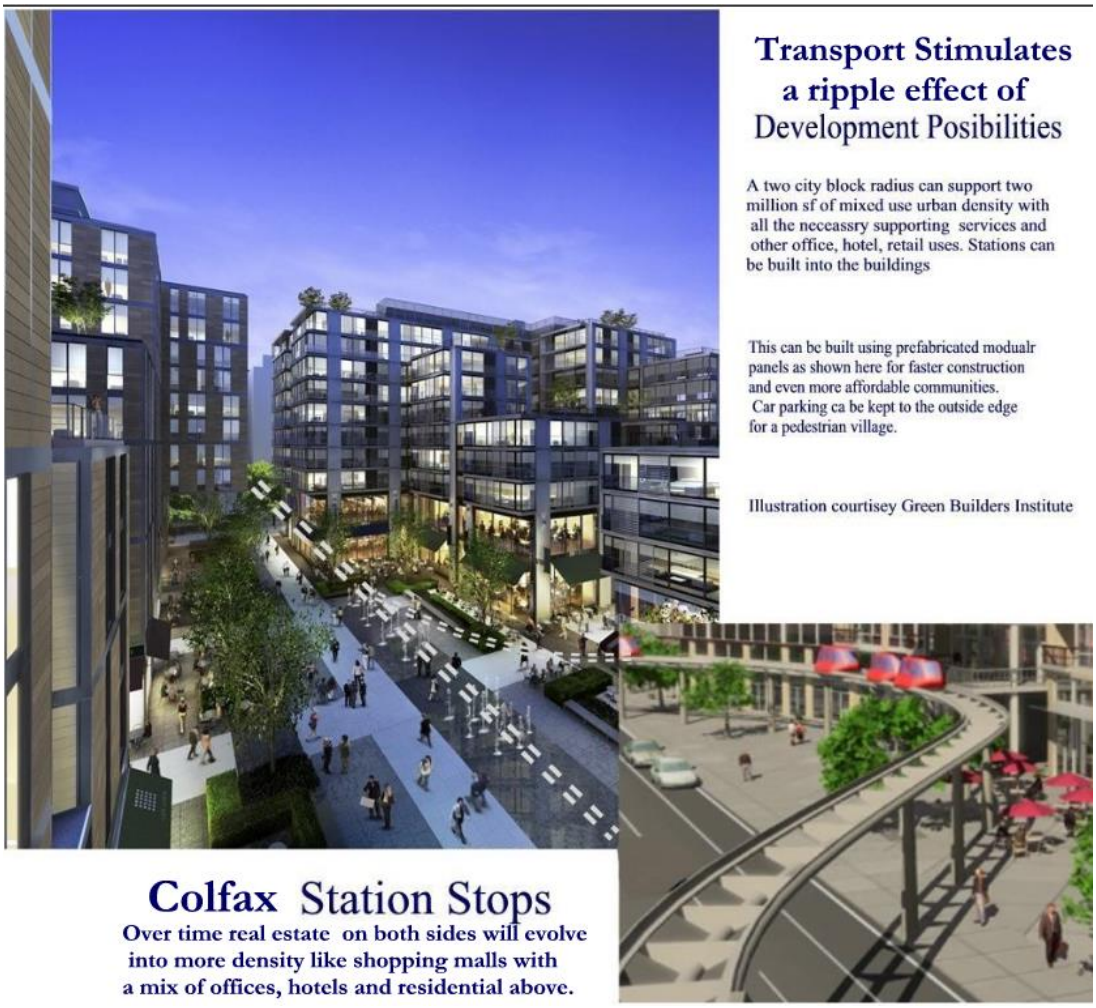
Leg #2 The Colfax Mall Districts [See slideshow]

Leg # 2 uses the Colfax corridor spanning 14 miles from downtown Denver to Golden. This first $100 million initiative will serve as a Personal Agents proof-of-concept for a scalable statewide network, integrating advanced technologies in data storage, transmission, and AI media. Structured as a Public-Private Partnership (PPP) with the State of Colorado, and the City of Denver the project is intended to be financed through Revenue Bonds—minimizing public financial risk while maximizing long-term economic value. Other smart infrastructures will follow.

The Big Picture. In fact, the 14-mile corridor should be a $1 Billion prototype with all six smart infrastructure involved possibly in this order: $100 million Ai Smart -Grid, $100 Million Ai data factories and storage, $100 Million Oasis machines for water, $500 million for Skyways transport, $100transport, $Automated delivery networks and warehouses, and $100 Million for Carbon Capture. See animations page 7.



Alternative showing stations separated on the sides with Colfax Street traffic remaining. Pedestrian concourses are fitted into level above traffic



Goal is $1 billion “Proof of Concept Corridor” Downtown to Golden