

# Infrastructure Investment and Jobs Act (IIJA)

**What it means for Contra Costa County's infrastructure  
2022**

# IJA Legislation Summary

- **On November 15, 2021, President Biden signed the Infrastructure Investment and Jobs Act (aka IJA or Bipartisan Infrastructure Law – BIL)**
- **Provides \$973 billion over five years from FY 2022 through FY 2026**
- **Historic investment in the nation's core infrastructure priorities – including roads and bridges, rail, transit, ports, airports, water systems, and broadband.**
- **FAST ACT reauthorization is a 56 percent increase above Congress's last five-year transportation bill (up from \$305B)**

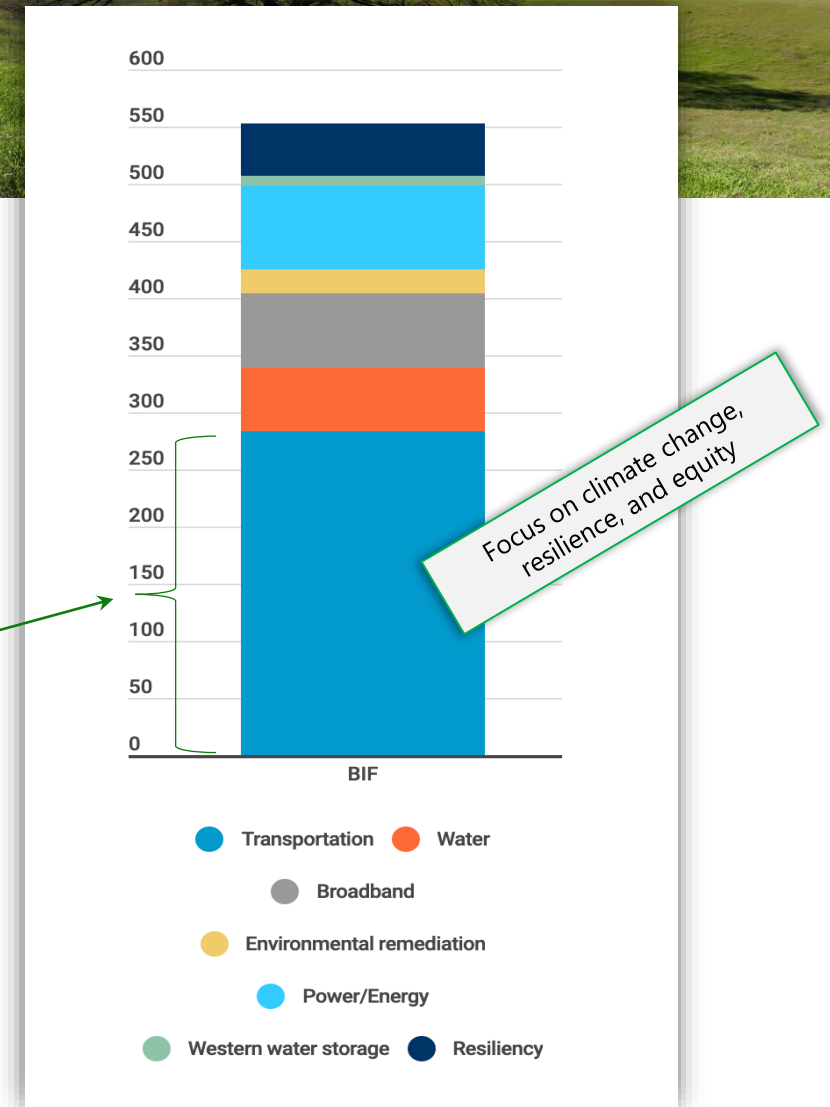
<b>Infrastructure Category</b>	<b>Funding Amount (billions)</b>
Surface Transportation (Highways, Transit, Rail)	\$639
<i>FAST ACT Reauthorization (up from \$305B)</i>	\$477
<i>IJA Act Stimulus (supplemental spending)</i>	\$157
<i>Electric &amp; Low Emissions School Buses</i>	\$5
Airports	\$25
Ports and Waterways	\$17
Water Infrastructure	\$91
Broadband	\$65
Power Infrastructure	\$65
Resilience, Western Water Storage and Environmental Remediation	\$71
<b>Transportation Total</b>	<b>\$681</b>
<b>Other Infrastructure Total</b>	<b>\$292</b>
<b>Total</b>	<b>\$973</b>

# IIJA Legislation Summary

- **\$550 billion in new investments. IIJA directs \$284B (52%) in new investments toward modernizing and making improvements across all modes of transportation, with most funding reserved for highways, roads, and bridge**

▪ Roads & Bridges	\$110B
▪ Transit	\$39B
▪ Rail	\$66B
▪ Safety	\$11B
▪ Airports	\$25B
▪ Ports & Waterways	\$17B
▪ Electric Vehicle Chargers	\$7.5B
▪ Electric Buses	\$7.5B
▪ Reconnecting Communities	\$1B

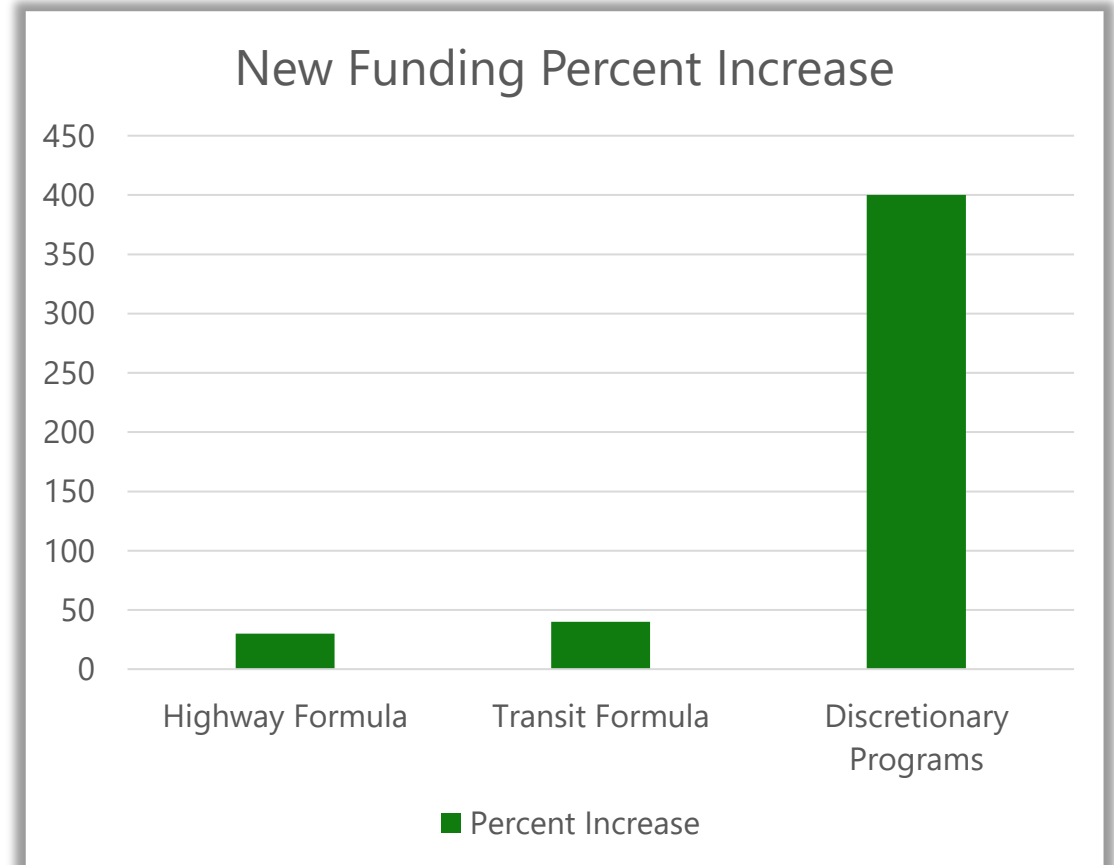
- **New funding is focused on climate change, resilience, and equity**



# IIJA General Themes

- **IIJA funding increase mainly due to discretionary grant programs with a small increase in formula funding**
  - Competitive
  - Local Match Required
  - Formula funding allocated to States and MPOs and then distributed through competitive grants
- **Many opportunities for local agencies with some programs specifically for local cities and counties**
- **Important to focus on key Administration priorities:**
  - Climate Change/Resilience
  - Equity
  - Regional coordination and collaboration

Challenge



# IJA General Themes (cont'd)



- **New programs focused on climate change, resiliency, and equity**

- Carbon Reduction Program
- PROTECT (Resiliency) Program
- EV Charging Infrastructure
- Bridges (culvert replacement/fish passage)

- **Existing programs expanded project eligibility to focus on climate change, resiliency, and equity**

- EV Charging Infrastructure
- Protective Features to Enhance Resilience
- Wildlife Crossing Projects/culverts for fish passage
- Shared Micromobility (e.g. bikeshare, shared e-scooters)
- Focus on Communities of Concern



# Existing Highway Formula\* Programs

\* Although these are "Formula" Funds distributed to States and MPOs, the funding is distributed to local agencies through a competitive grant process and further constrained through adopted policies by the distributing agencies.

Program	National IIJA Average	Increase
National Highway Performance Program	\$29.6 B	
Surface Transportation Block Grant (STBG)	\$14.4 B	32%
Congestion Management and Air Quality (CMAQ)	\$2.64 B	10%
Transportation Alternatives	\$1.44 B	76%
National Freight Program	\$1.43 B	
Metro Planning	\$456 M	32%
Highway Safety	\$3.11 B	
Rail-Grade Crossings	\$245 M	

## Key Programs for County

**STBG and CMAQ** – Distributed by MTC and CCTA through One Bay Area Grant (OBAG) competitive grant program under MTC Policy Resolution 4505. Although an existing program, MTC policy for OBAG 3 has changed focus

**Transportation Alternatives** – Statewide Grant process through Caltrans (combines TA, BTA, & SRTS) and Regional Grant process through MTC. Although distributed by formula to State/MPOs, funding is allocated to local agencies through competitive grant programs

**Highway Safety** – Highway Safety Improvement Program (HSIP). Funds distributed by formula to State and by competitive grants to local agencies through Caltrans

**Rail-Grade Crossings** – Section 130 funding. Application process through CPUC and Caltrans.

# Existing Transit Programs



Program	National IIJA Average	Increase
Planning Programs	\$193 M	36%
Urbanized Area Formula	\$6.71 B	36%
Elderly/Disabled Formula	\$439 M	54%
Rural Formula	\$916 M	28%
State of Good Repair Formula	\$4.6 B	70%
Bus Formula	\$632 M	9%
Bus Competitive	\$393 M	-5%
Low-No Emission Buses	\$1.1 B	525%

## Transit Programs

**Programs remain the same as FAST Act with more funding through IIJA**

# New Highway Formula Programs

## Program Descriptions:



**Carbon Reduction** – Traffic Monitoring, Bike/Ped, Transit, Congestion Management, Mode Shift, ITS

New

Similar to existing CMAQ program  
(\$6.4B over 5-years)



**EV Charging** – EV charging infrastructure, acquisition, installation, operation, maintenance, and data sharing

New

*Formula* – EV chargers along Interstates and major corridors (\$5B over 5-years)

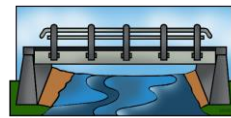
*Discretionary* – EV chargers in disadvantaged communities and rural areas (\$2.5B over 5-years)



**PROTECT (Resiliency)** – Resilience Planning, Improvements, Evacuation Routes, At-Risk Coastal Infrastructure

New

*Formula* - (\$7.3B over 5-years)  
*Discretionary* – (\$1.4B over 5-years)



**Bridge Program** – Bridge replacement, restoration, rehabilitation to reduce number of bridges in poor and fair condition. 15% of funds set-aside for off-system bridges (\$27.5B over 5-years)

New

### **Contra Costa County Bridges**

89 Bridges (52 Good Condition, 28 Fair Condition, 9 Poor Condition)

15 National Highway System Bridges

59 On-System Bridges (includes NHS Bridges)

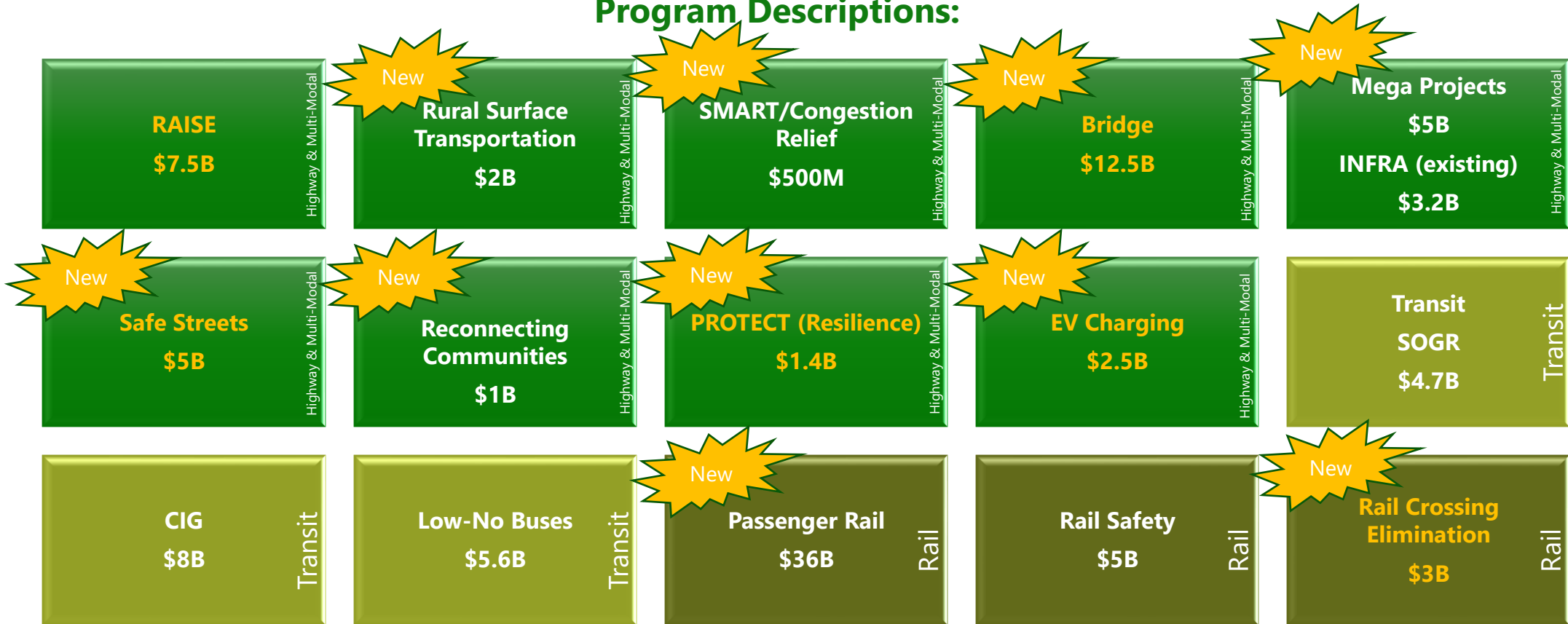
30 Off-System Bridges



# Discretionary Surface Transportation Grant Programs



## Program Descriptions:



# Airport Funding in IIJA

## Airside Projects (Runways, Taxiways, etc.) & Terminal Projects

- **Formula Funding** - \$15B for grants for airports to use for Airport Improvement Program (AIP) projects, such as runways and taxiways, terminal development projects, noise, multimodal, or **airport-owned towers**.
- **Discretionary Funding** - \$5B for the Airport Terminal Program, a discretionary grant program for terminal development and other landside projects spread out over 5 years. The language ensures that terminal projects at small hub airports, non-hub, and non-primary airports will receive funding guaranteeing that communities of all sizes benefit.

Airside Projects  
Formula  
\$15B

Airport Terminal  
Program  
Discretionary  
\$5B

Air Traffic  
Control  
Infrastructure  
\$5B

**FAA's Facilities and Equipment –**  
Funding for FAA-owned ATC facilities, including FAA-owned contract towers. This funding is spread out over five years.



# Other Relevant Funding Programs in IJA



## Climate Change | Resilience | Equity | Safety

**BRIC**  
**\$1B**

Building Resilient Infrastructure and Communities – pre-disaster mitigation activities that reduce risk and disaster costs

**Flood Mitigation**  
**\$3.5B**

Reduce or eliminate risk of flood damage to structures insured by the National Flood Insurance Program

**Healthy Streets**  
**\$500M**

Install cool and/or porous pavements or to expand tree cover to reduce urban heat centers and improve air quality in underserved communities

**PROTECT (Community Resilience)**  
**\$140M**

Projects to strengthen and protect critical evacuation routes

**PROTECT (Coastal Infrastructure)**  
**\$140M**

Projects that strengthen, stabilize, hardening, **elevating**, relocating and enhancing the resilience of highway infrastructure that is subject to disaster

**Stopping Threats to Pedestrians**  
**\$25M**

Funds for bollard installation or raised concrete on a sidewalk adjacent to a roadway to slow or stop a vehicle

**Wildlife Crossings**  
**\$350M**

Grants for projects that seek to achieve a reduction in the number of wildlife-vehicle collisions and restore habitat connectivity

**Culvert Removal and Replacement**  
**\$5B**

Projects that replace, remove or repair culverts that would improve fish passage for certain fish

# Identifying Project Opportunities

## Existing Information to Identify Projects

The County has developed and adopted several policies, plans, and guiding documents for project implementation. Many of these documents are focused to address areas such as safety, multi-modal improvements, GHG reduction, or bridge condition status. The following policies, plans, and guiding documents were used to identify potential project candidates for formula funds and competitive grants for both existing programs and new programs in IIJA.

### Surface Transportation

- Vision Zero Policy: Tier I Project List (safety)
- Active Transportation Plan: Project List (Going to the BOS in March/April)
- CCTA's Countywide Bicycle and Pedestrian Plan
- Complete Streets Policy
- Capital Road Improvement and Preservation Plan
- Local Agency Bridge List
- Pavement Management System
- MTC's OBAG 3 Resolution 4505 – Policies for STBG and CMAQ funding
- Green Infrastructure Plan
- Railroad Crossing Inventory

### Airports

- Airport Capital Improvement Plan 2021-2036

### Resilience and Environmental Remediation

- Contra Costa County Climate Action Plan
- Distributed Energy Resource Plan (Solar PV, Energy Efficiency, EV Charging, Energy Storage, Demand Response Energy)
- Flood Control Capital Improvement Plan
- Green Infrastructure Plan

### Equity

- Priority Development Areas
- Communities of Concern
- General Plan

# Identifying Project Opportunities

## Relevant Programs/Possible Contra Costa County Projects

The Public Works Department has prepared a draft document identifying IJIA relevant programs and possible County projects to be considered for funding

Out of 88 Programs in IJIA, 28 programs have some connection to County responsibilities, and less than 10 of the programs are directly relevant to County responsibilities.

## Infrastructure Investment and Jobs Act

### Major Provisions for Counties

Transportation

Energy & Environment

Public Lands & Western Water Storage

Drinking Water & Wastewater

Broadband

Resilience

### TRANSPORTATION, FLOOD CONTROL, AND CLEAN WATER

Relevant Programs/Possible Contra Costa County Projects

#### HIGHWAYS/ROADS/BRIDGES

##### Increases the off-system bridge set-aside

- The County has an inventory of approximately 94 bridges. Of the 94 bridges, 30 are considered off-system bridges. Of these 30 off-system bridges, six bridges have a rating of "Poor", and five of the six bridges have a Sufficiency Rating of less than 50 (qualifying for replacement funds).
  - Possible Projects: Del Monte Drive Bridge, Pacific Ave Bridge, Second Avenue Bridge, Linden Road Bridge (SR >50), Jersey Island Road Bridge, Briones Valley Road Bridge. In addition, include Morgan Territory Road Bridges (less than 20' span so they do not qualify for federal aid)

89 Total Unincorporated County Bridges  
30 Off-System Bridges  
59 On-System (15 of these are on the NHS)

Bridge Projects Currently in Queue – Marsh Creek Road Bridges (2), Byron Highway Bridge, Pleasant Hill Road Bridge Rehab, Morgan Territory Road Bridges (2), Del Monte Drive Bridge Painting and Poly Overlay, Second Avenue Bridge.

##### Wildlife collisions mitigation

- The County maintains several rural roads that experience higher rates of collisions with wildlife. The County has an adopted Habitat Conservation Plan. The Habitat Conservancy has identified wildlife movement corridors that conflict with transportation facilities. Potential projects could be located on roads within or near Habitat Conservation Lands and other rural areas in the County.

#### RAIL

##### Grant Program to Eliminate At-Grade Rail-Highway Crossing

- Although there are many rail lines in Contra Costa County, there are few crossing unincorporated County roads. The two crossings identified as candidates for the at-grade elimination program are North Richmond (Market Street, ~~Coxley~~ Avenue, Brookside Drive, Parr Boulevard) and Byron Highway (s-curve). Both locations have had safety issues.
  - Potential Projects: North Richmond Railroad Grade Lowering, Byron Highway grade separation (could be part of SR239 project).

#### AIRPORTS

##### Supplemental Appropriations for the Airport Improvement Program (AIP)

- The County operates two general aviation airports: Buchanan Field and Byron. Buchanan Field has a chartered scheduled service provider JSX.
  - Potential Projects: Airports Capital Improvement Program List (18 projects for Buchanan and 10 projects for Byron)

##### "Groundside" Competitive Grant Program for Airport Improvements

- Buchanan Field has an aging air traffic control tower. The tower is owned by the airport and leased by the FAA. The tower is well beyond its useful life. The Groundside Grant Program allows for relocating, reconstructing, repairing or improving an airport-owned traffic control tower.
  - Potential Projects: Buchanan Field Air Traffic Control Tower Replacement and Relocation.

# Challenges and Opportunities with IJA

## Challenges

- **Discretionary Programs** - Most new funding is from discretionary programs. Even formula programs are discretionary programs for local agencies. No guarantee of receiving funding. Requires a substantial amount of staff time and money to prepare successful applications
- **Federal Local Match** - Local Match requirements for federal grants. Currently we have zero capacity in our road budget to provide a local match for the next 4 years unless we reprioritize current projects *e.g. – airport control tower may require \$2 million local match. Airport budget is \$5 million per year.*
- **Staffing** - Staffing resources limited. Retirements, attrition, and recruitment difficulties have limited our project delivery staff. Do you staff up based on discretionary program funding?



## Opportunities

- **Strategy** - Should we go for as much of the funding as possible or should we prioritize a few high value projects and focus our limited resources on achieving our mission? What is our Strategic Goal?
- **Regional Projects** - Regional cooperation to implement regionally significant transportation improvements. Partner with CCTA on regionally significant projects
- **Bridges** - Accelerate County bridge replacement and rehabilitation. Bridge replacement efforts were recently stalled due to a lack of funding for bridges. Bike and Pedestrian facilities are encouraged on new and replacement structures

# IIJA Timeline



IIJA FY 2021- FY 2026

## Estimated Timeline

### Status as of March 2022

**OBAG 3 (STBG & CMAQ)** – Call for projects May 2022

**ATP (TA)** – Opened March. Applications due June 15, 2022

**HSIP** – Call for projects typically in May

**Bridge Formula** - continuous

**RAISE** – Applications are open. Deadline to submit is April 14, 2022

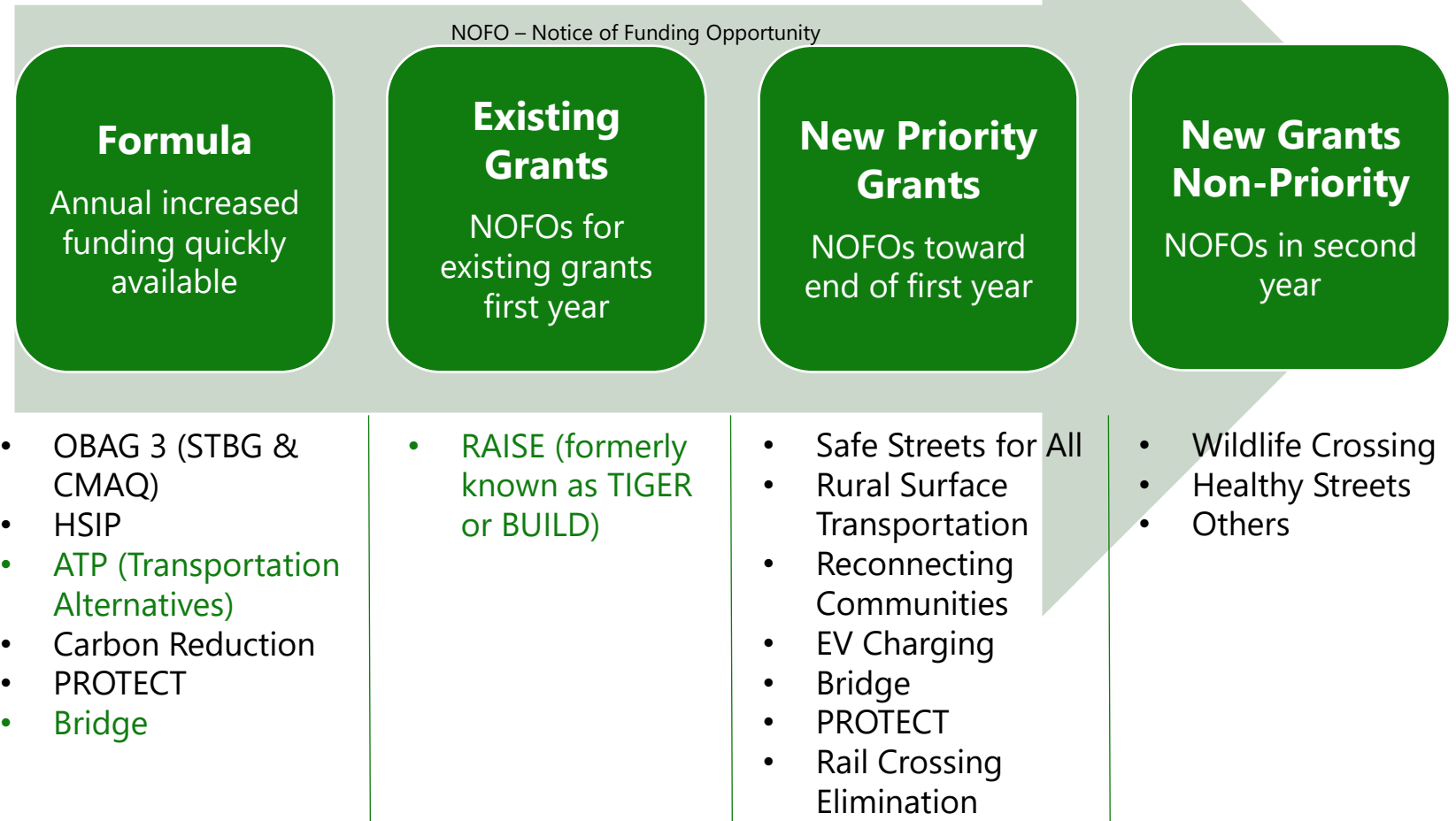
**Safe Streets for All** – Expected to open May 2022


**Rural Surface Transportation Grant** – First Quarter 2022

**Reconnecting Communities** – Applications open second quarter 2022

Funding programs are managed by the following agencies: USDOT, Caltrans, CTC, MTC, CCTA

NOFO – Notice of Funding Opportunity



The background of the slide features a silhouette of a mountain range against a sunset sky. The sky transitions from a deep blue at the top to a warm orange and yellow near the horizon, where the sun is setting behind the mountains. The mountains are dark and jagged, creating a stark contrast with the bright sky.

Thank you.  
Questions?

Safety | Efficiency | Reliability | Mobility | Sustainability | Equity