

Fresno State Transportation Institute

FSTI 2027–2029

Sustaining and Expanding Fresno County’s Advanced Transportation
Think Tank and Innovation Hub

Fresno Council of Governments (Lead Applicant) • **CSU Fresno Foundation, through FSTI** (Sub-recipient) • January 1, 2027 – June 30, 2029 (30 months)

●
\$2,433,536

Measure C New Technology request

●
\$932,147

Committed match — 38.3% of the request

●
\$3,365,683

Total program value

Four areas, one system

Transportation is changing, so the World is Changing
... **We** need to be Prepared!

FSTI converts Measure C support into people, tools, agency capacity and community awareness — in one operating platform

Professional Development & Education

- Four Transportation Studies minors and four certificates
- Advanced transportation courses and topics
- Paid student fellowships
- International partnerships & student summer exchange
- Workshops for working professionals (GenAI, GIS, ...)
- State-of-practice professional development webinars

Technical & Community Service

- Every Fresno County city, transit provider, school district and community organization is eligible to request FSTI studies, technical assistance and grant support
- Proposal and project development support
- International Transportation Innovations Summit
- Community showcases and presentations

Measure C



FSTI

A permanent regional platform. Agency needs feed the next cycle of research, training and outreach.

Advanced transit and multimodal technologies

With particular attention on underserved groups and disadvantaged communities

Research & Innovation

- Student-led applied research and technology development
- State-of-the-art (COVID-19, CrossBot, AI Pilots, ...)
- Secured external funding
- Focused on Fresno County problems
- Award winning
- Published and presented regionally and nationally

K-12 & Public Outreach

- K-12 summer camps
- K-12 in-class hands-on lessons and activities
- K-12 railroad model competition
- Train-the-educator workshops
- Mobile transportation laboratory, Community events & activities
- 6+ Social media and communication channels

Funding any one activity helps. Funding the system multiplies the impact of every other part.

A proven Measure C asset

The 2016–17 Measure C award created FSTI and it has operated continuously ever since — this is a continuation, not a start-up

8 years

continuous operation since 2018

113+

completed and ongoing projects

1.73×

total portfolio value per core Measure C dollar

15 of 15

cities eligible, plus unincorporated

0

startup period required

CUMULATIVE IMPACT SINCE 2018

30+/yr

paid student experiences

500+

professionals engaged

1,000's

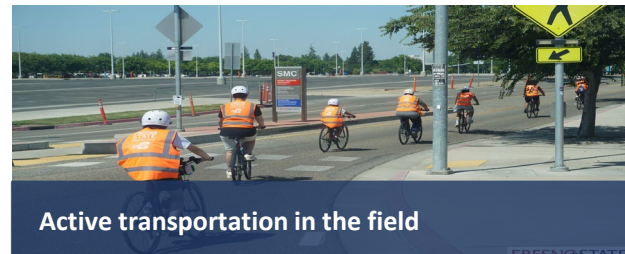
K-12 students & families reached

50+

agency engagements

\$2.5M+

external funds secured



✓ Ready to deliver on day one

- Director, Advanced Transportation Technologies Scientist, Administrative Assistant, and Student Leaders already in place
- Program office, Regional Advisory Board, Faculty Fellows and Technical Project Peer Review Panels running
- Eight-year record of quarterly progress and expenditure reporting to Fresno COG
- Concurrent management of multiple external federal and state awards
- 30-month work plan and schedule already built, task by task

Innovation built for Fresno County agencies

Three technology tracks designed for agency use and advanced through agency-partnered evaluation

1

Community Voice & Engagement

iVoxera · VERA

AI phone and survey agents that reach residents by voice, in multiple languages, without requiring internet access.

IN FRESNO COUNTY

Proposed: AI-assisted surveys and outreach with FCRTA, FAX and small cities — reaching residents who never answer a web survey.

2

Safety & Transportation Operations

ARIA · Drone monitoring · CrossBot

Operations-center audio intelligence, aerial highway monitoring and pedestrian-crossing technology for incident response and roadway safety.

IN FRESNO COUNTY

Faster incident awareness on county corridors and safer crossings where pedestrian exposure is highest.

3

Mobility Equity & Decision Support

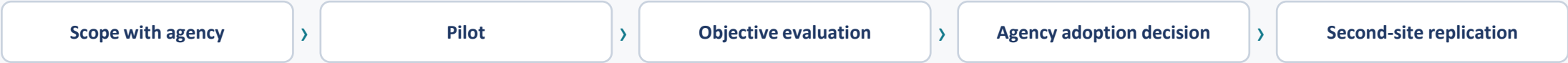
TransitHub · VIA RISK

Transit-accessibility analytics and segment-level roadway risk ranking for equity-informed, defensible investment prioritization.

IN FRESNO COUNTY

Ranked, defensible safety and transit-access priorities for cities with limited in-house planning capacity.

Every pilot follows a stage gate — nothing scales until an agency decides it works



What these tracks are designed to improve: cleaner operations and less incident-related idling · better transit access · safer streets · more equitable investment decisions

What this request expands

The platform is already built — this funding adds focused capacity where Fresno County needs it most



Advanced transit and multimodal tools

Five transit-related engagements committed over 30 months. Examples: FCRTA or FAX technical assistance, AI-assisted rider surveys, transit accessibility and equity analysis, rural and demand-responsive mobility.



Rural and west-side reach

Smaller and rural jurisdictions often have limited access to specialized research, data, technology-evaluation and grant-development capacity — the Regional Transportation Assistance Program sets aside dedicated capacity to close that gap.



AI platforms into evaluated agency pilots

Moving iVoxera, VERA, ARIA, TransitHub and VIA RISK from prototype into stage-gated pilots with real Fresno County partners and documented adoption decisions.



External Funding Accelerator

Ten competitive proposals seeking at least \$5 million for the region, with amounts requested, partners and funder decisions tracked and reported.

40%

of applicable direct-service effort — measured in documented staff hours and direct project dollars — committed to disadvantaged, rural, transit-dependent and historically underserved Fresno County communities.

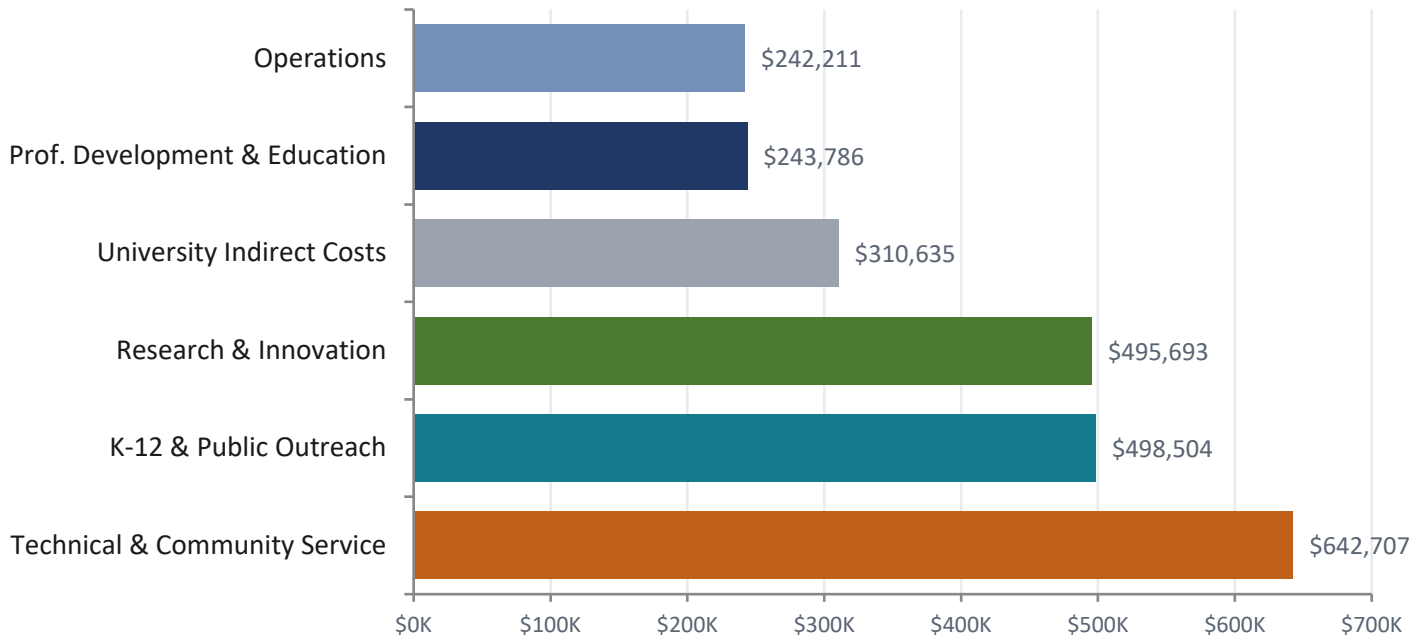
Reported to Fresno COG annually, with a published calculation protocol.

30-month commitments — contractual minimums

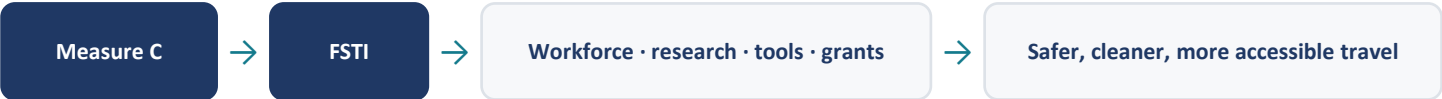
TRANSIT	5 transit-related engagements; accessibility and equity analysis
EQUITY	4 rural / west-side engagements; 10 mobile lab visits, 6 rural
ENVIRONMENT	5 applied projects focused on air quality, clean mobility, electrification, VMT reduction or energy efficiency
SERVICE	12 agency engagements; 9+ professional webinars

One investment, benefits that multiply

Return on the Measure C investment in Fresno County capacity, workforce and innovation



A different kind of infrastructure. FSTI builds human and institutional capacity, so its benefits accumulate across people × agencies × projects × years — rather than in one asset with one useful life.



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Measure C New Technology request

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Committed match — 38.3%, or 38¢ for every \$1 requested

● **\$3,365,683**

Total program value over 30 months

34.5%

of the budget is paid student employment — the county’s next transportation workforce, trained on Fresno County problems.

Thank you

Measure C created FSTI.
This request keeps it multiplying.

Our ask: fund the FSTI 2027-2029 extension.

Questions welcome.



<http://www.fresnostate.edu/FSTI>

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