

Pathways to the Future: Project Scoring

RRTPO TAC

July 14, 2026

Grant Overview

- Project Prioritization Pilot Program (PPPP) – IJJA pilot program
- **Program Goal:**
 - Data-driven approaches to planning and project selection
 - Assess and score projects based on contribution to priority objectives and/or cost relative to benefits
 - Ensure public can comment and understand project selection and decision making
 - access to clear reasons why projects or strategies were selected

Project Outcomes

- Improved process and tools leveraging Pathways to the Future models and technical scoring approaches
 - Project scoring process based on ROI
 - 3-tiered ROI approach
- Public education and engagement on scoring and decision-making
 - Website and interactive dashboard including ROI of projects and sets of projects in proposed investment packages

Project Level

- Operational
- Safety
- Environmental
- Access
- Quality of Life

RRTPO Pathways to the Future Project Scorecard

Operational Measures	Change	Benefit
Person-Hours of Delay		
Change in Vehicle Miles Travelled		
Truck Delay		
Construction Delay		
TOTAL		\$X,XXX

Safety Benefits	Change	Benefit
Fatal Crashes Avoided		
Serious Injury Crashes Avoided		
Visible Injury Crashes Avoided		
Non-Visible Injury Crashes Avoided		
Property Damage Crashes Avoided		
Safety Benefits		\$X,XXX,XXX

Environmental Measures	Change	Benefit
VOC pollution (tons)		
NOx pollution (tons)		
PM 2.5 pollution (tons)		
GHG pollution (tons)		
Noise Pollution		
Environmental Benefits		\$XXX,XXX

Access Measures	Change	Benefit
Ease of Access (Impedence)		
Access to Opportunity		
Access Benefits		\$XXX,XXX

Quality of Life Measures	Change	Benefit
Physical Activity		
Psychological Distress		
Depression		
Asthma-associated ER Visits		
Incidence of COPD		
Quality of Life Benefits		\$XXX,XXX

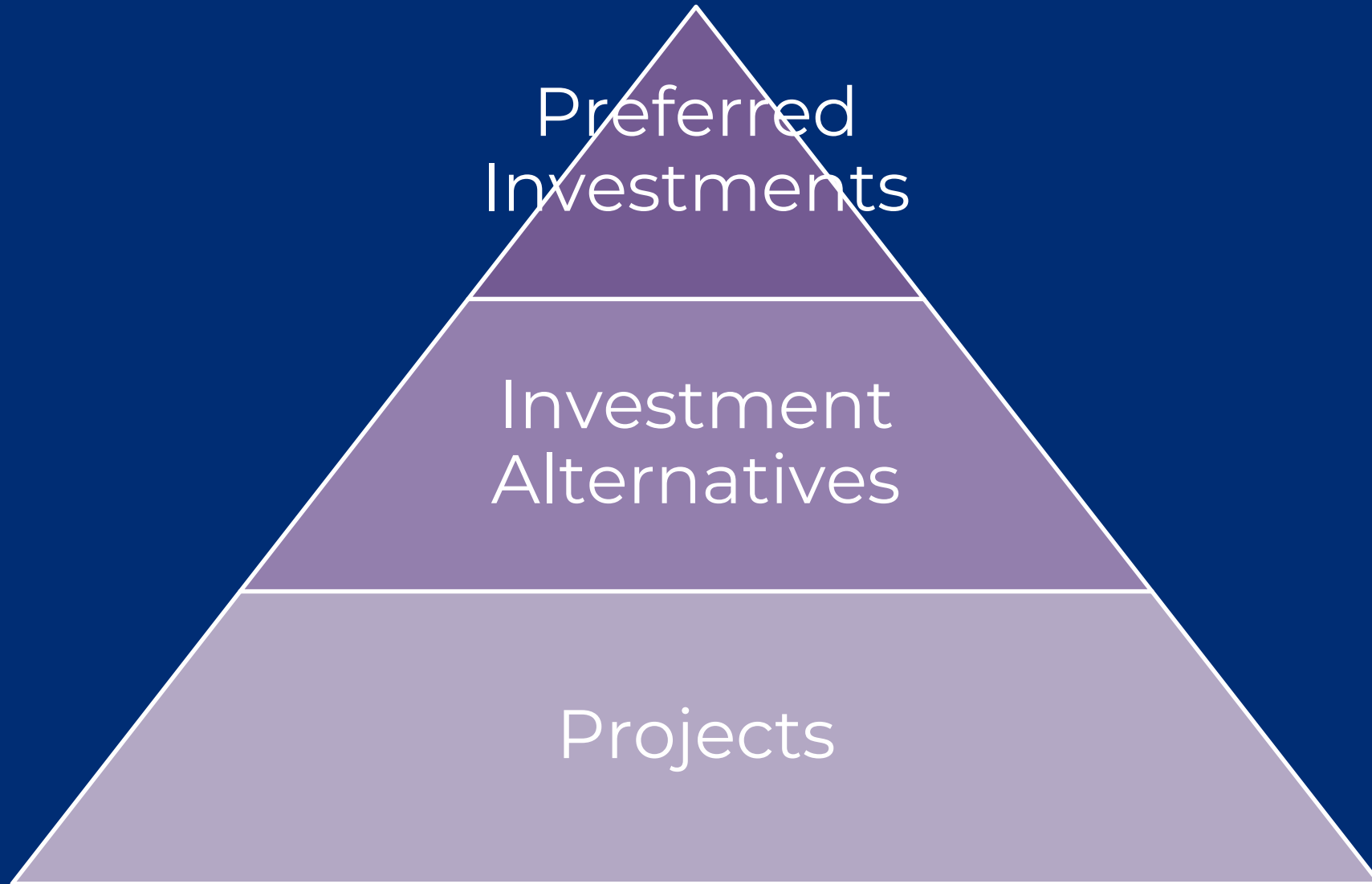
Total Benefit
\$X,XXX,XXX

Total Cost
\$X,XXX,XXX

**RETURN ON
INVESTMENT
X.XX**

**MOCK
SCORECARD
TEMPLATE**

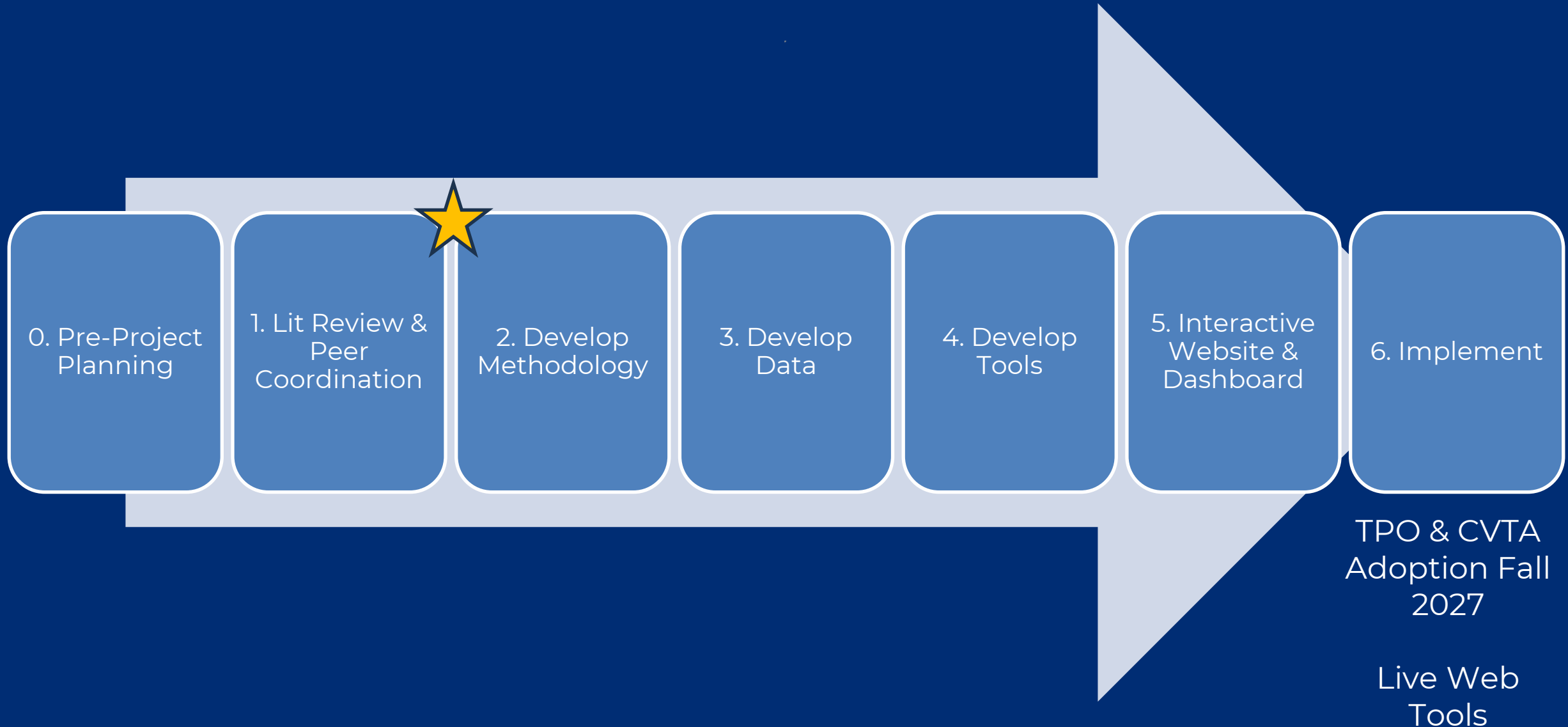
New Approach – Tiered ROI



Public Engagement

- Public engagement is critical
- Better Understand
 - what is NOT transparent now
 - how to communicate benefits & burdens
- Engagement Strategy in development (with CTAC)
- PlanRVA Engage page

Project Phases



Accomplished



- PlanRVA project staff team
- Literature Review on monetization of benefits & costs and methodology approach – Draft Summary Report in process
- Peer region consultation
- Engagement Strategy drafting

Upcoming



- Engagement Strategy finalization (with CTAC) and kick-off
- Contractor solicitation with PlanRVA Technical Bench

TAC Role



- TAC is the Technical Stakeholder Committee for the project
- Advise PlanRVA staff and consultant on deliverable development
- Insight on the project prioritization process from your perspective – what works, what doesn't?
- Survey!

Project Selection Process Survey



- How well do you understand the process for project selection used by the RRTPO and CVTA?
- On the whole, how effective do you think the existing selection processes is at prioritizing projects that meet regional goals?
 - Safety
 - Accessibility and Environment/Land Use
 - Mobility and Reliability
 - Resiliency
 - Project Cost

Project Selection Process Survey

- The PPPP grant will allow us to create a Return on Investment model for project scoring. Which part of this analysis could you foresee being most useful to you as a local project champion?
 - Lifecycle cost accounting: operations and maintenance over a standard analysis period
 - Monetizing benefits: crash or delay reduction, accessibility, emissions, etc.
 - Capturing and monetizing harms: emissions, construction delay

Project Selection Process Survey

- The PPPP grant will also allow us to develop more sophisticated financial modeling tools, building on the approach first used in Pathways to the Future: Transportation 2050. Which components of scenarios do you view as being helpful in making funding decisions?
 - Strict rank order (Waterfall Model)
 - ROI maximizer (Linear Programming)
 - Benefit maximizer (Linear Programming)
 - Mode Split (Targeted budget splits)
 - PAYGO only
 - Modeling of Multiple Funding Sources
 - Bonding & Other Innovative Financing Mechanisms

Project Selection Process Survey



- The PPPP grant also will allow us to analyze projects against multiple futures, similar to the analysis in Pathways to the Future: Transportation 2050. How well do you understand the futures developed in the scenario planning pilot for 2050?
- The scenario planning process was exploratory which means it was aimed at identifying a range of plausible futures, not selecting a preferred future. In your view, should the region be working toward selection of a preferred future (as opposed to most likely future)?

Thank you

- Sarah Stewart
–ssewart@planrva.org
- Ellen Cook
–ecook@planrva.org