



Vehicle Miles Traveled (VMT) Mitigation Program

PLANNING & PROGRAMMING COMMITTEE

APRIL 17, 2024



Metro

GOALS



**Integrate
Equity**



**Explore Mitigation
Options & Impact
Need**



**Establish
Mitigation
Program**

DELIVERABLES

Quantification Methods

Mitigation Options

**Pilot VMT
Mitigation Bank**

Metro VMT Calculator

STAKEHOLDERS

Highway Project Teams

Subregional COGs

Program Administrator

**Mitigation Action
Implementers**

General Public

WHAT WE HEARD

Consistency

Simplicity

**Geographic
Alignment**

Flexibility

Implementable

SR-14 Traffic Safety Improvement Project: Potential Mitigation Requirements

PREVIOUS MITIGATION COST ESTIMATE

Project Cost	LA County-Specific Quantification Methodology	California Induced Travel Calculator
Estimated Capital Cost	\$168 million	
Mitigation Cost*	\$97.7 million	\$252.6 million
Total Project Cost with Mitigation	\$265.7 million	\$420.6 million

**Mitigation costs derived from I-680 Northbound ExpressLanes project in Contra Costa County and I-5 Managed Lanes Project in Orange County*

UPDATED MITIGATION COST ESTIMATE

Project Cost	LA County-Specific Quantification Methodology	Hybrid Methodology
Estimated Capital Cost	\$168 million	
Mitigation Cost	\$107.4 million	\$196.2 million
Total Project Cost with Mitigation	\$275.4 million	\$364.2 million

**Mitigation costs derived by applying Metrolink service frequency increases on Metrolink lines servicing Los Angeles County*



Refining & Evaluating Mitigation Actions

ELIGIBILITY CRITERIA

- Effective
- Enforceable
- Evidentiary

PILOT VMT MITIGATION BANK

Flexible approach that meets SHS Project needs + Mitigation Action implementer needs

Diverse Mitigation Actions to reflect diverse countywide priorities

METRO ACTIONS

1. Provide Bus Rapid Transit
2. **Provide Metro Bus-Only Lanes**
3. **Increase Metro Bus Service Frequency**
4. Extend Metro Bus Network Coverage/ Hours
5. Expand Metro Micro
6. Implement Subsidized or Discounted Transit Program (UPass)
7. Implement Subsidized or Discounted Transit Program (Employer Pass)
8. Implement Commute Trip Reduction Program (Employer Commute Support)
9. Implement Community Based Travel Program (TDM Master Plan – Residential Programs)
10. Implement E-Bike Subsidy Program
11. Implement Electric Bikeshare Program
12. Implement Pedal (Non-Electric) Bikeshare Program
13. **Implement Housing (including Affordable Housing) on Metro Joint Development Sites**

PARTNER AGENCY ACTIONS

14. Metrolink Service Expansion

15. Implement South Bay Cities COG Local Travel Network

Note: The four bolded Actions have been advanced to the Pilot VMT Mitigation Bank.

Metro VMT Mitigation Calculator Tool

Additional Project Details

1. In which Metro Subregional Planning Area (SPA) is your project located? (Select one from the dropdown)

2. How many lanes of VMT are you seeking to offset? (Enter a number)

3. How many lanes of VMT are you seeking to offset? (Enter a number)

Metro Subregional Planning Area Map

- Metro U-Pass Program
- Metro Employer Annual Pass Program
- Metro ETC Support
- Metro TDM Master Plan Activities: Community-Based Travel Planning
- Metro Bus-Only Lanes
- Metro BRT
- Increase Metro Rail and Local Bus Service Frequency
- Extend Metro Local Bus Network Coverage or Hours
- Extend Metro Micro Coverage or Hours
- Metrolink Service Expansion

VMT Bank Structure

VMT Mitigation Bank

Project: 2 of 2
NEEDS: 2.1 MILLION ANNUAL VMT CREDITS

1 Package Bus Service Frequency Credits **\$1,199,400**
 198 Packages Joint Development Credits **\$3,207,600**

Total... \$4,407,000
 Total VMT Credits... 2.1 Million VMT

Project: 1 of 2
NEEDS: 4.5 MILLION ANNUAL VMT CREDITS

2 Packages Bus Only Lanes Credits **\$958,000**

Total... \$958,000
 Total VMT Credits... 4.56 Million VMT

Bank Administrator

Mitigation Action Implementor

METROLINK SERVICE

IN PROGRESS

Forthcoming details from Metrolink



JOINT DEVELOPMENT UNITS

\$16,200

Annually, for 20 years

1 DWELLING UNIT **8,165 VMT** **\$1.99 PER VMT**



BUS SERVICE FREQUENCY

\$1.2 MILLION

Annually, for 20 years

3,100 RSH & 1 BUS **490k VMT** **\$2.60 PER VMT**



BUS ONLY LANES

\$479,000

Annually, for 20 years

15 BUS-ONLY LANE MILES **2.28M VMT** **\$0.21 PER VMT**



Next Steps

