



Vehicle Miles Traveled (VMT) Mitigation Program

PLANNING & PROGRAMMING COMMITTEE

APRIL 17, 2024

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? (If you select this, the SPA will be highlighted on the map.)

- ☐ San Gabriel Valley
- ☐ San Joaquin Hills
- ☐ San Luis Valley
- ☐ San Gabriel Valley
- ☐ San Joaquin Hills
- ☐ San Luis Valley
- ☐ San Gabriel Valley
- ☐ San Joaquin Hills
- ☐ San Luis Valley
- ☐ San Gabriel Valley
- ☐ San Joaquin Hills
- ☐ San Luis Valley

2. Which Metro Subregional Planning Area (SPA) is your project located in? (If you select this, the SPA will be highlighted on the map.)

3. Which Metro Subregional Planning Area (SPA) is your project located in? (If you select this, the SPA will be highlighted on the map.)

Metro Subregional Planning Area Map

Mitigation Actions

- 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

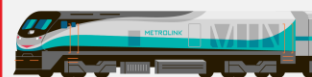
**Bank
Administrator**

**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

