

SEPTEMBER 2015

OPTIMIZING MOBILITY:

INNOVATIVE APPROACH  
FOR ACTIVE OPERATIONS

Andrew Fremier

DEPUTY EXECUTIVE DIRECTOR, OPERATIONS  
METROPOLITAN TRANSPORTATION COMMISSION





9 counties

7,000 mi<sup>2</sup>

101 cities

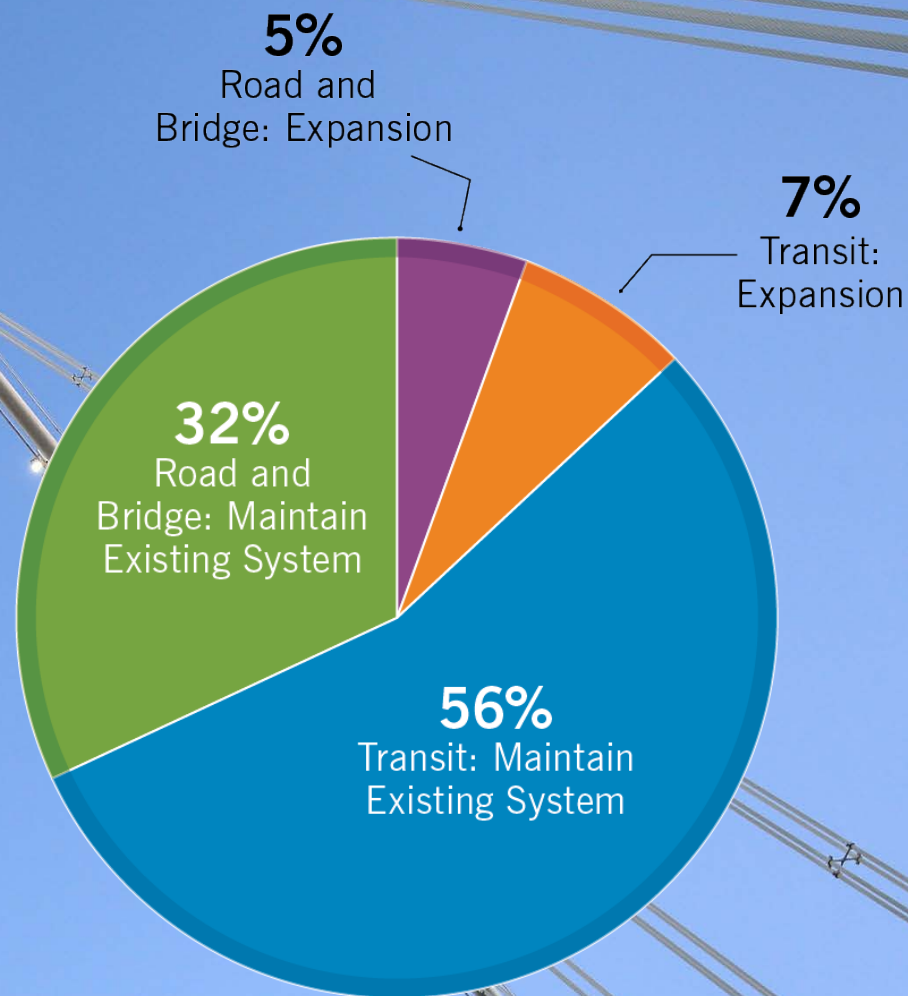
7 million people today

9 million people in 2040

3 major cities

*San Jose, San Francisco, and Oakland*

# The San Francisco Bay Area in Numbers



*\$290B Investment Program*

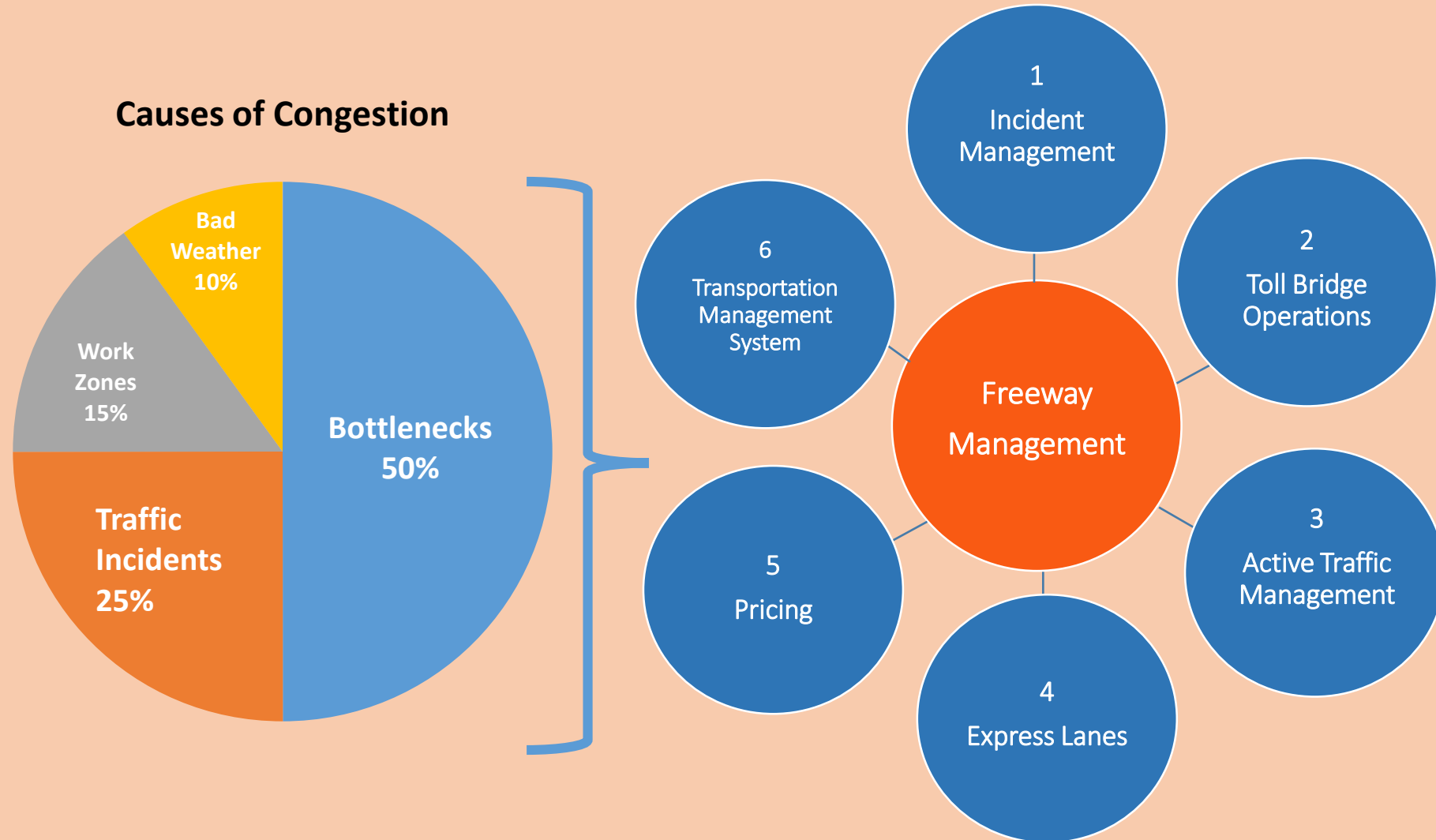


# How can we improve mobility in a constrained environment?

- 1 **Innovative, Technology-Based Approach:**  
Optimizing Freeway Operations Strategically
- 2 **Building Infrastructure Efficiently:**  
Bay Area Express Lanes Network
- 3 **Improving Coordination Across Networks:**  
Integrated Corridor Management

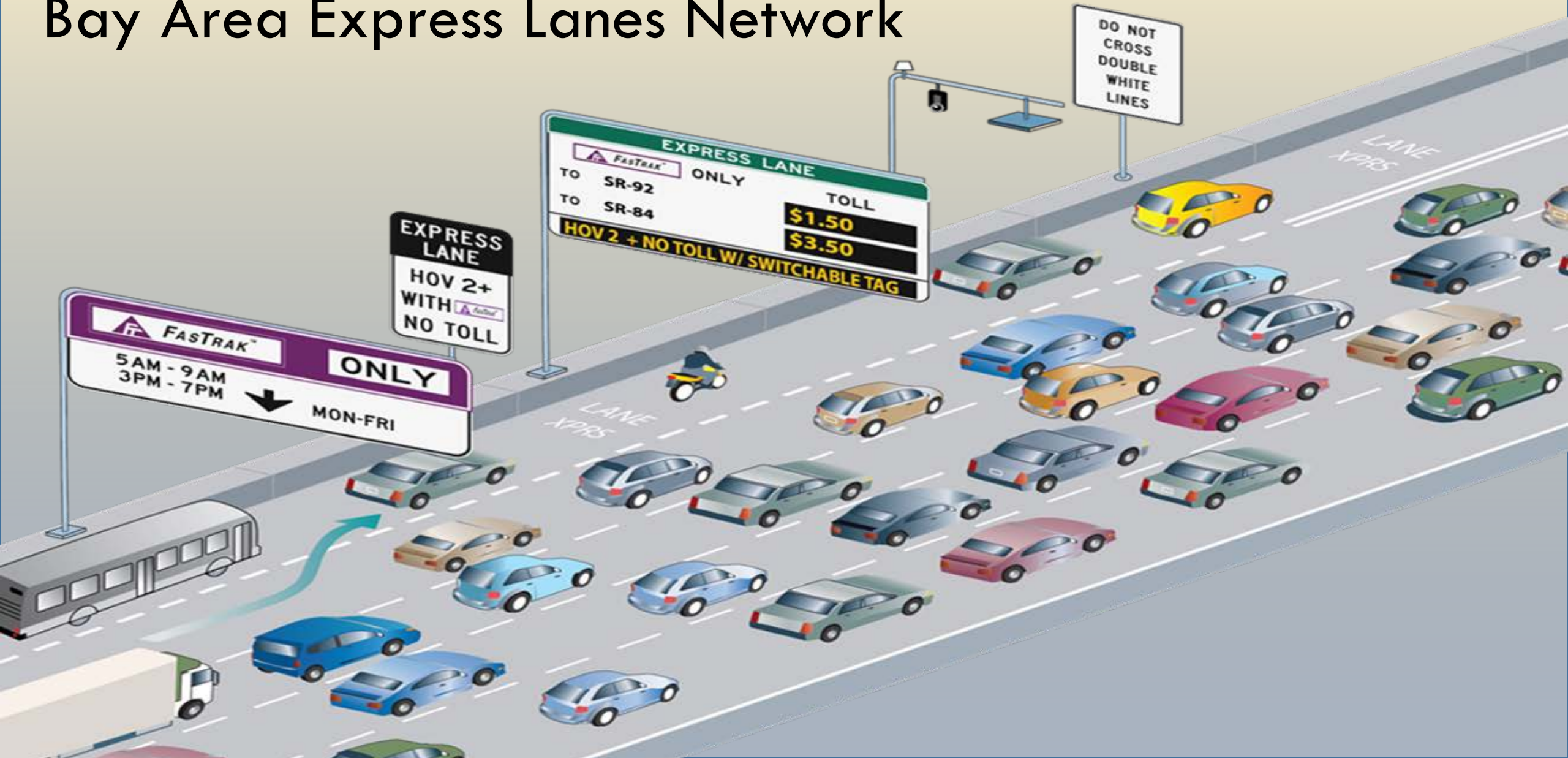


# Innovative, Technology-Based Approach: Optimizing Freeway Operations Strategically





# Building Infrastructure Efficiently: Bay Area Express Lanes Network



# Improving Coordination Across Networks: Integrated Corridor Management



**Arterial  
Management**



**Freeway  
Management**



**Transit  
Management**



**Traveler  
Information**



**Incident  
Management**

**Integration of System Components**