



Central County Corridor Major Investment Study Stakeholder Working Group



Thursday, January 22, 2009
Orange County Public Library
Fountain Valley Branch
City of Fountain Valley



Meeting Agenda



- **Welcome and Introductions**
- **Overview of Major Investment Process**
- **Recap of CCCMIS to Date**
- **Introduction of Draft Refined Strategies (A – E)**
- **Highlight Draft Screening & Evaluation Criteria**
- **Group Discussion and Feedback**
- **Next Steps**

- Strategic planning process
- Transportation industry standard prior to major, long-term projects
- Includes policy, technical and public elements
- Purpose is to produce Locally Preferred Strategy
- Approximately 18-month process

Central County Study Area

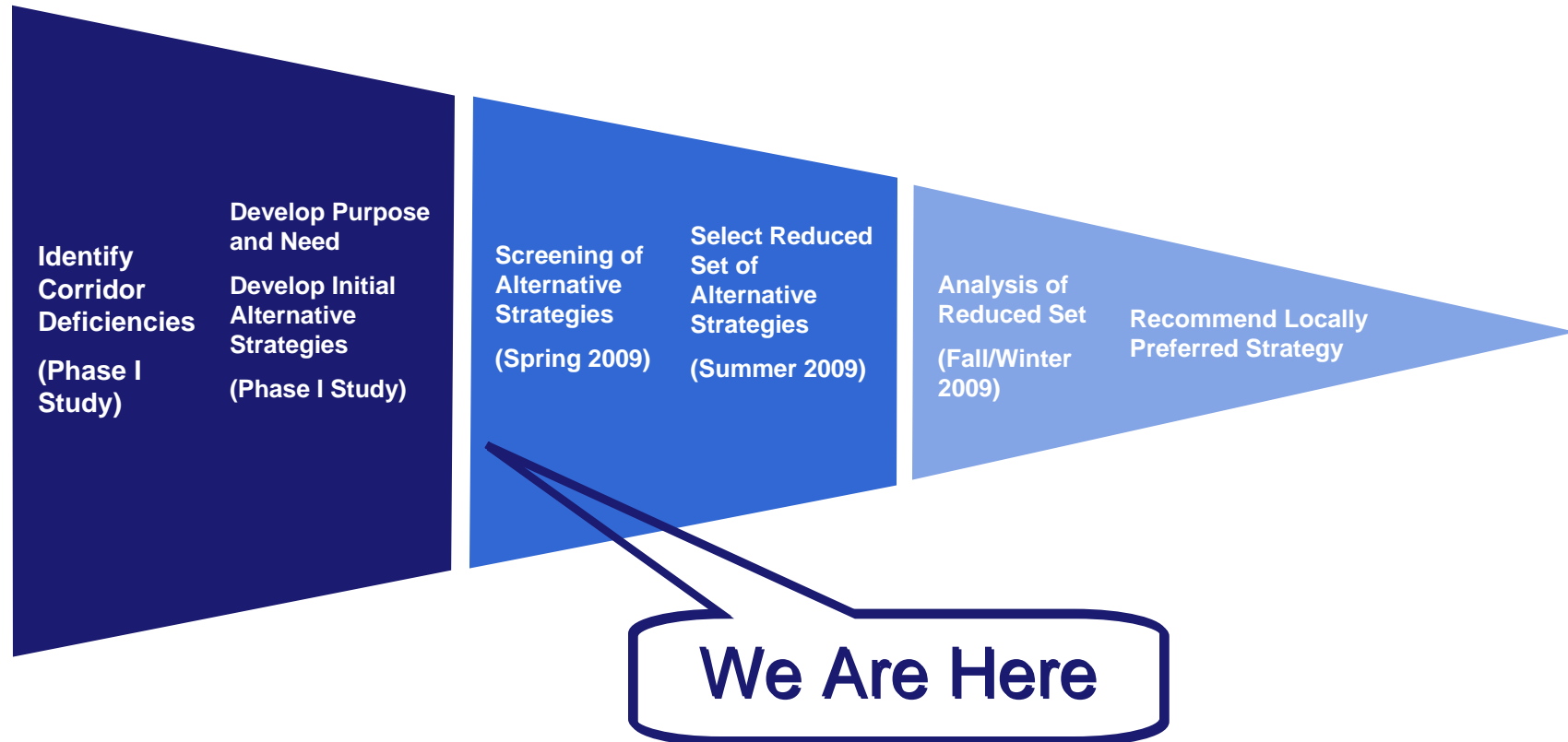


Central Orange County's Mobility Challenge



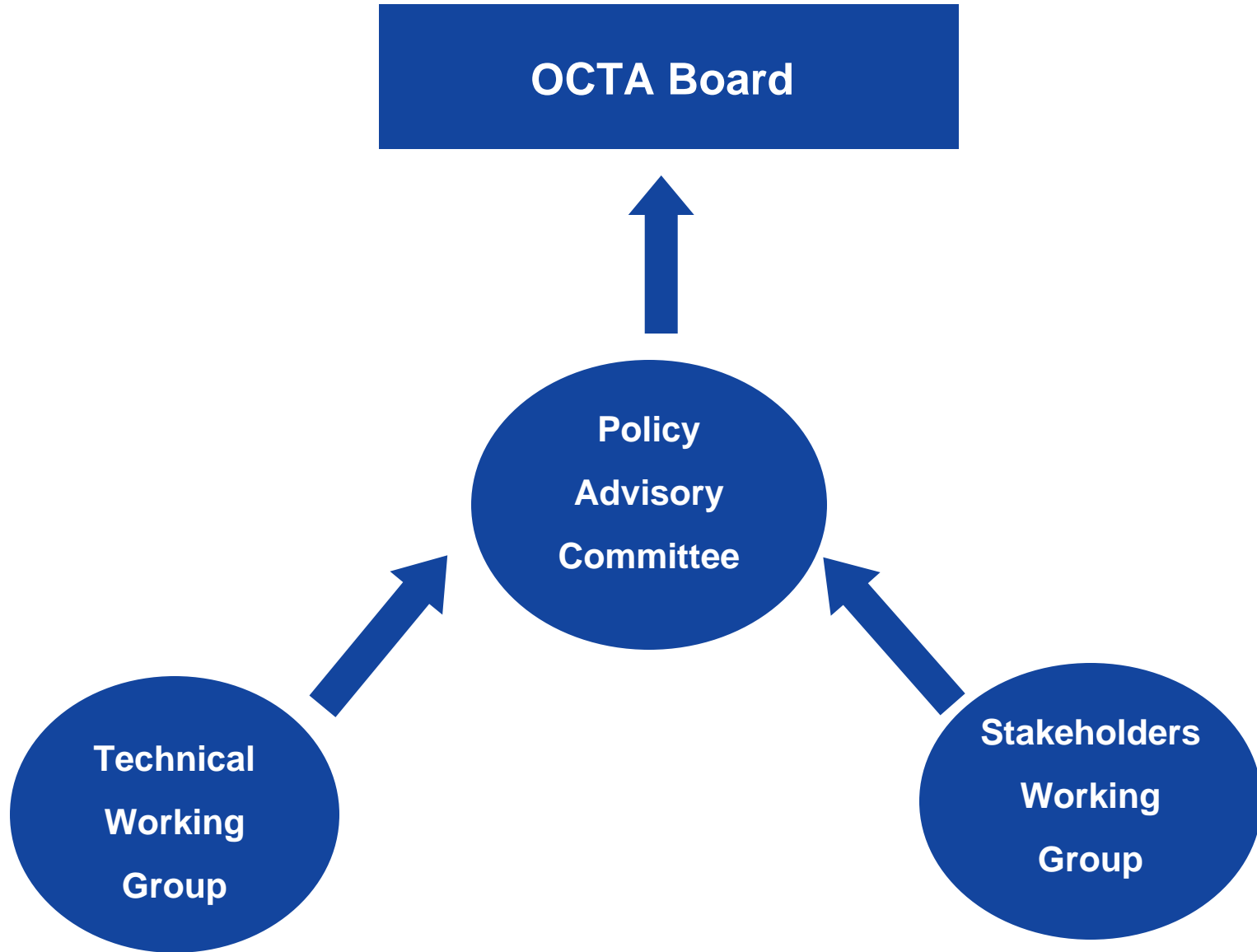
- **Current travel demand exceeds existing capacity**
- **Lack of north/south travel options**
- **2035 travel demand will exceed capacity**
- **Lack of choice in alternative modes of transportation**
- **Urbanized community and right-of-way constraints**

MIS Study Process and Milestones





MIS Study Coordination Process





Stakeholder Working Group



Stakeholder Working Group Kick - off Meeting

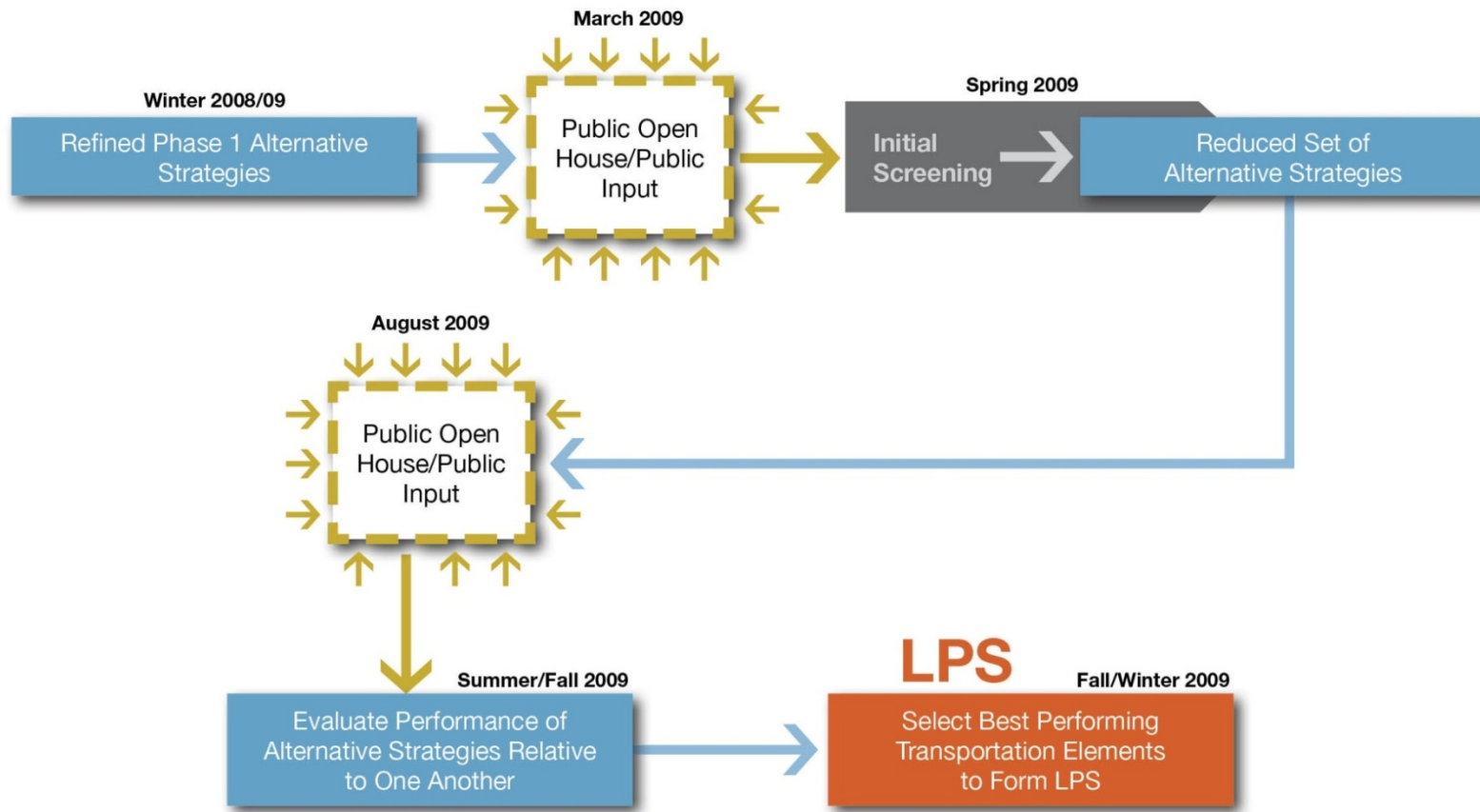


- November 19, 2008
- Central County Corridor Study – Phase I
 - Purpose and Need
 - Five Initial Conceptual Alternatives (A – E)
- SR-57 Extension Concept Planning Study

- **Technical Working Group**
 - Monthly Meetings (September - January)
 - Data Collection
 - Draft Refined Strategies
 - Draft Screening and Evaluation Criteria

- **Policy Advisory Committee**
 - September and December Meeting
 - Reviewing Draft Refined Strategies & Criteria
 - Decision/Approval on February 25

CCC MIS Study Process



Strategy/Travel Demand Relationship



Future Travel Demand



Baseline & Draft Refined Alternative Strategies

Baseline (No Build)

- Future Baseline Network
 - No Build = Existing conditions + RTIP
 - Early Action Projects from M2
 - Planned & Committed Projects
 - Major Regional Projects
 - OCTAM Baseline Network



Strategy A

TSM/TDM Improvements



- Operational/Interchange Improvements
- Arterial Optimization
- Planned Bus Service Improvements
 - Enhanced Express Bus Service
 - Expand BRT (BRAVO!)
- Park and Ride Enhancements
- Enhanced Bike and Pedestrian

BRAVO!



Strategy B

Moderate Expansion of System



- Includes Strategy A
- Meets higher level of 2035 demand
- Includes Renewed Measure M
- Freeway Improvement strategies:
 - SR-55 HOV lanes south of I-405
 - Frontage road improvements
 - SR-55 capacity enhancements mostly within ROW (I-5 to MacArthur)



Strategy B (cont.)

Moderate Expansion of System



- Arterial Optimization
 - Signal Synchronization/Coordination
 - Intersection Improvements
 - Spot Widenings
- MPAH and City General Plan Build Out
- Go Local Projects in Step 2 (rubber tire transit)
- Full Bus Rapid Transit on six corridors with dedicated by-pass (queue jumper lanes)
- Further Park and Ride Enhancements



- Includes Strategies A and B
- Meets substantial amount of 2035 demand
- Proposed new improvements include:
 - Major SR-55 Widening (elevated or at-grade) from SR-91 to 19th Street
 - SR-91 to SR-22
 - SR-22 to I-405
 - I-405 to 19th Street
 - Interchange and Bridge Reconstruction
 - SR-55/SR-22 HOV direct connectors
 - SR-55 extension beneath Newport Boulevard

Strategy C (continued)



- High-Capacity Fixed Guideway Systems
 - ARTIC to Anaheim Resort
 - SARTIC (Pacific Electric ROW) to Harbor Boulevard
- Community-based Transit Circulators
- New Intermodal Stations

- Includes Strategy A and B
- Higher potential for meeting 2035 demand
- Engineering, environmental & cost challenges
- SR-57 extension study options include:

D1: Expressway in River Channel

D2: Expressway in River Channel with Flood Control Tunnel

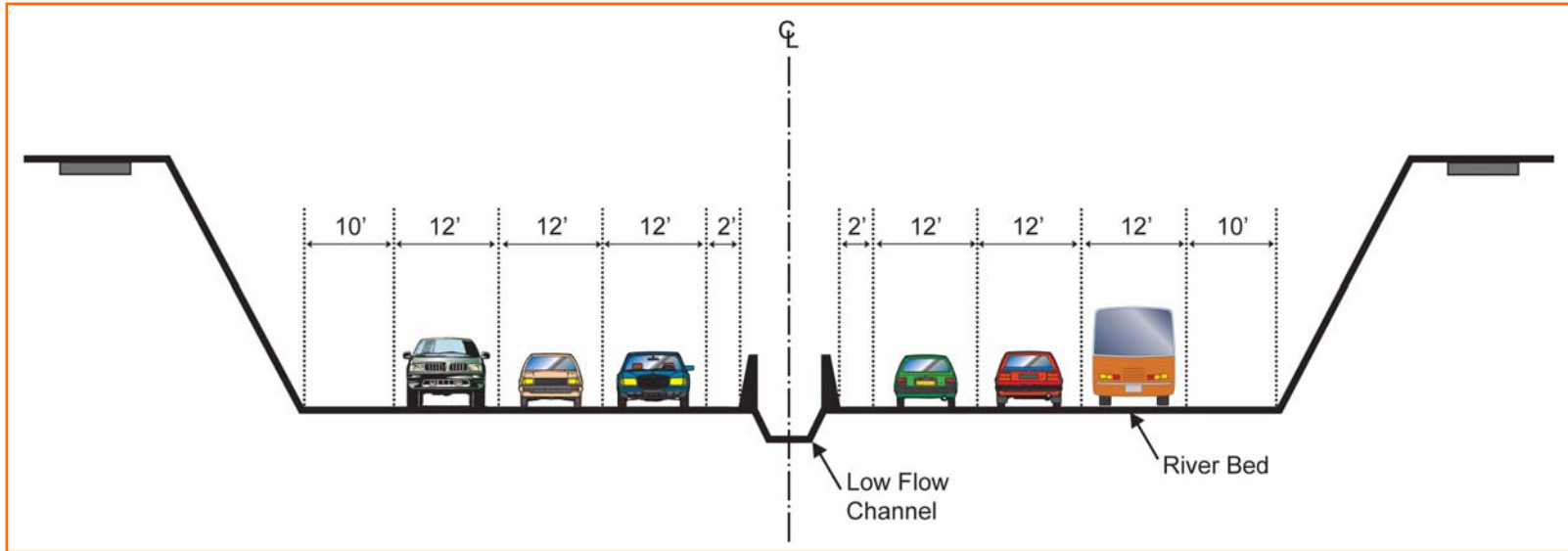
D3: Freeway Cut and Cover Tunnel

D4: Freeway in Dual Bore Tunnel

D5: Transit Way in Tunnel (Technology Neutral)

Strategy D1

Expressway in Santa Ana River Channel



- Operational During Dry Season
- Reconstruction to Riverbed and Bridges

Photograph of Santa Ana River



Over crossing – 17th Street

Photograph of Santa Ana River



Over crossing - SR-22 Freeway

Photograph of Santa Ana River



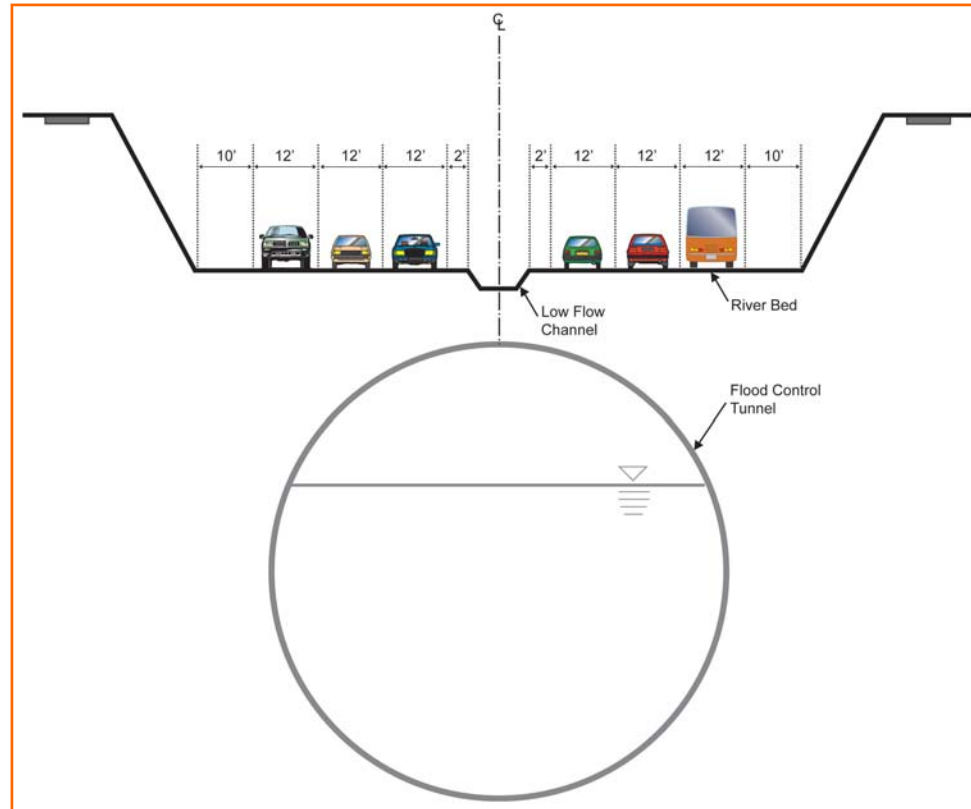
Over crossing - 17th Street

Photograph of Santa Ana River



Looking Upstream at Chapman Ave Overcrossing

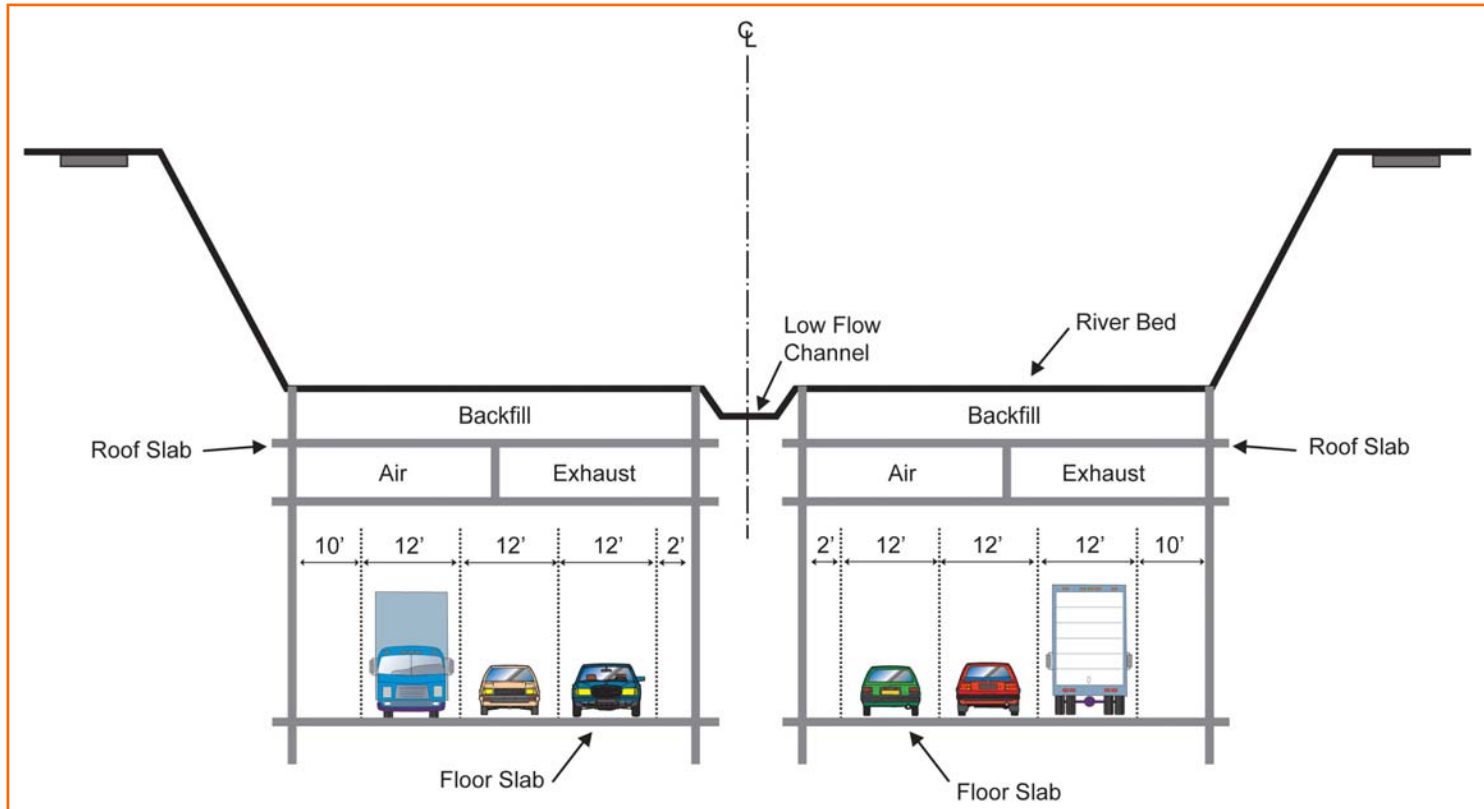
Expressway in River Channel with Flood Control Tunnel



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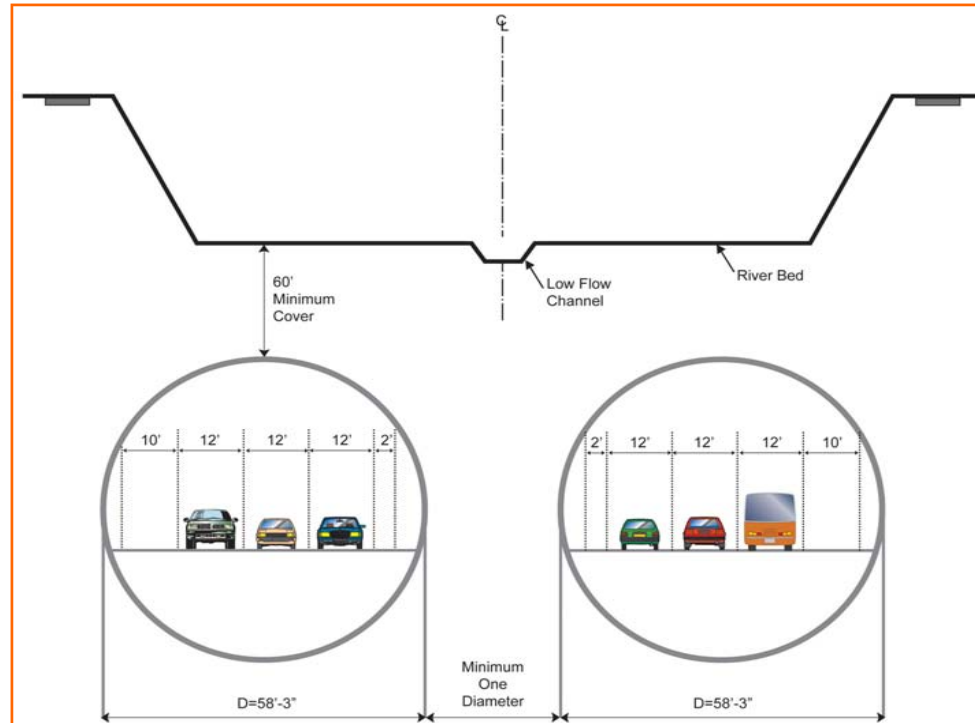
Strategy D3

Freeway Cut and Cover Tunnel



- Reconstruction of Riverbed & Bridges
- Preserves Channel Function and Open Space

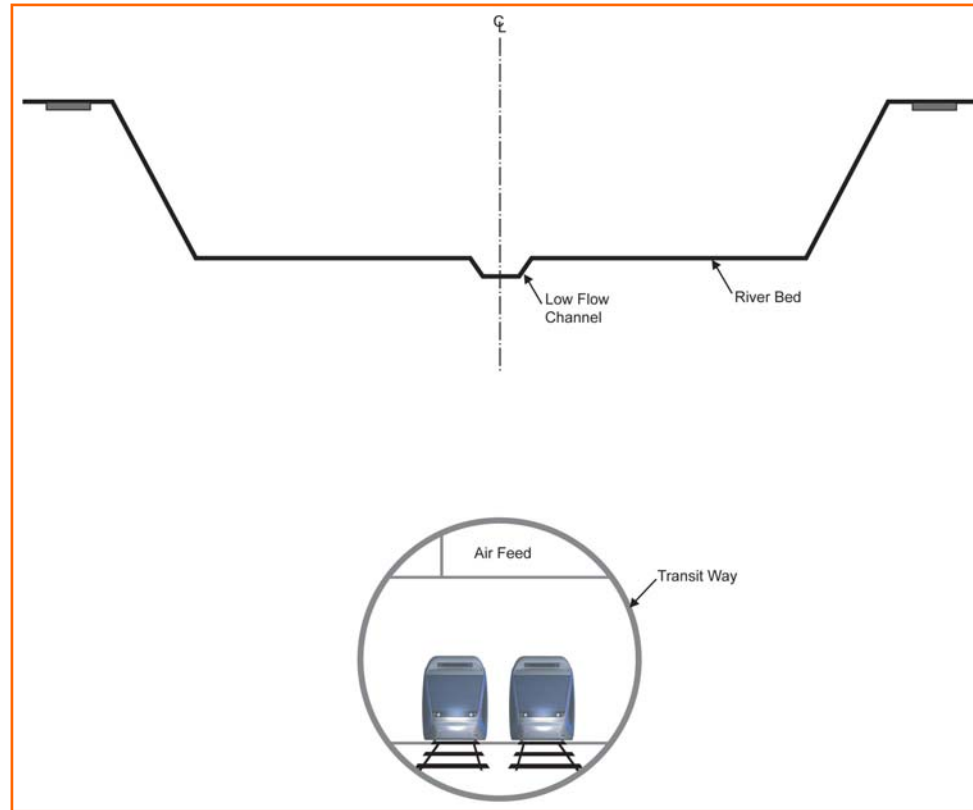
Strategy D4



- Underground Facility
- Without Intermediate Interchanges

Strategy D5

Transit Way in a Tunnel Facility



- Technology Neutral
- Multiple Stations
- Eliminates Daylighting Issues

Strategy E

Post 2035 Growth



- Major Elements of A, B, C & D
 - Major SR-55 Expansion
 - SR-57 Extension
- Addresses Potential Demand Beyond 2035
- Major Transit Expansion
- New elements include:
 - Arterial Grade Separations
 - Widening of Arterials beyond MPAH
 - BRT in Dedicated Lanes
 - SR-22 Ramp Connectors to PE ROW

Draft Screening and Evaluation Criteria

- **Freeway Mobility**
- **Arterial Roadway Mobility**
- **Transit (Bus/Rail)**
- **Non-Motorized Transportation Choices**
- **Consistency with Land Use Plans**
- **Environmental Impacts and Opportunities**
- **Operations**
- **Implementation Trade-offs**



Group Feedback and Discussion



Next Steps



- **Technical Working Group:** **February**

- **PAC Meeting #3:** **February**
 - **Approval of Refined Strategies**
 - **Approval of Screening and Evaluation Criteria**

- **Stakeholder Working Group:** **March**

- **Public Open Houses:** **March**

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