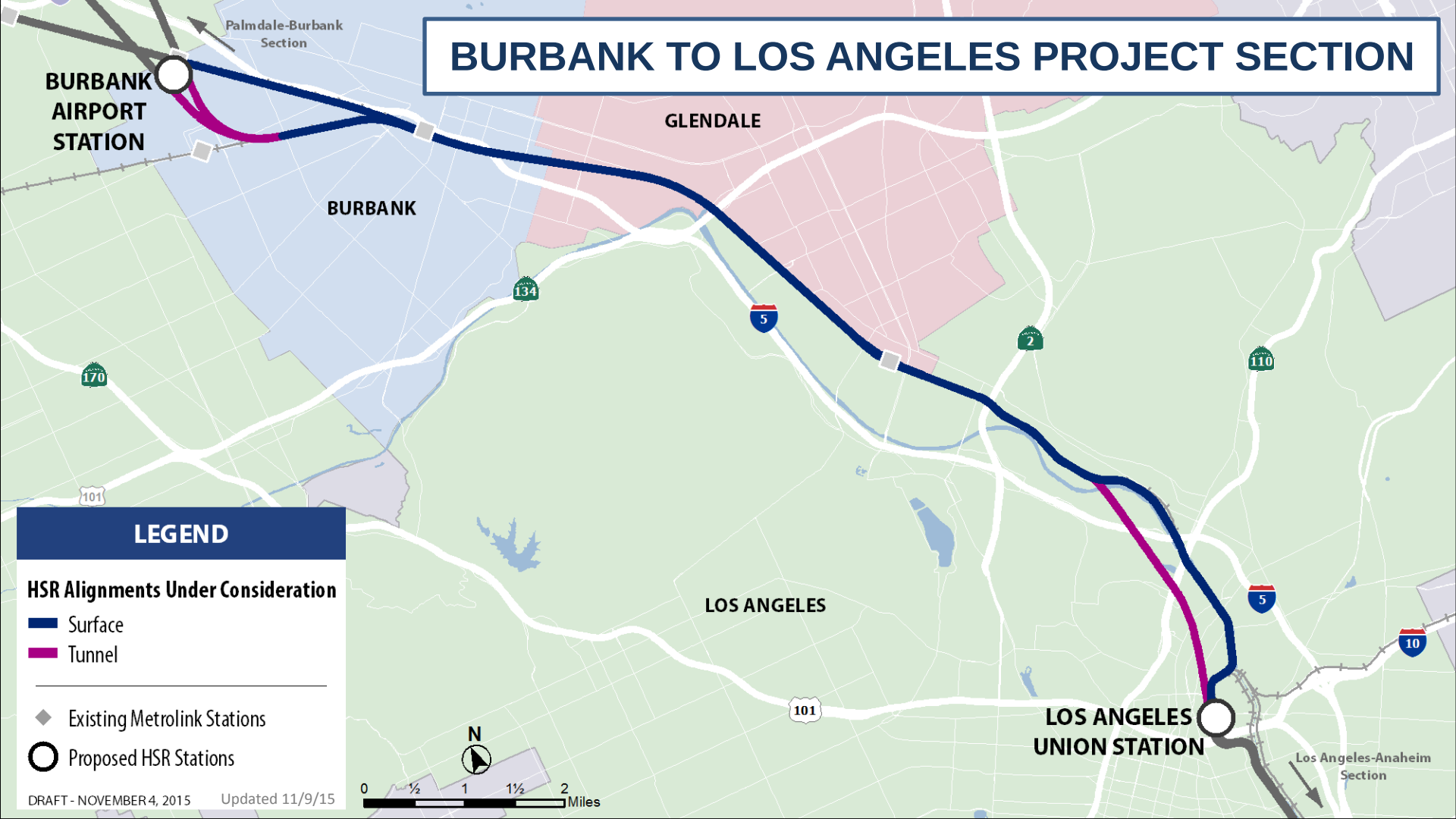
BURBANK TO LOS ANGELES PROJECT ELEMENTS

BURBANK TO LOS ANGELES PROJECT SECTION

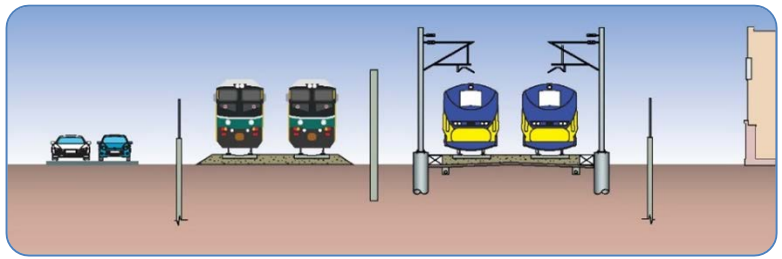


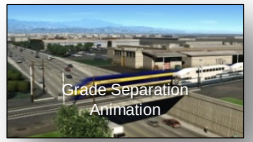
ALTERNATIVES COMPARISON

ALTERNATIVE 1: SURFACE	ALTERNATIVE 2: SURFACE & TUNNEL
From Burbank to SR-2:	
Surface Alignment	Surface Alignment
From SR-2 to LAUS:	
Surface Alignment	• Going south, descends to tunnel near SR-2 • Emerges to surface on approach to LAUS
Right-of-Way (ROW) Description	
• Stays within existing ROW • Fewer ROW impacts	• More direct route below grade • Some ROW for tunnel portals

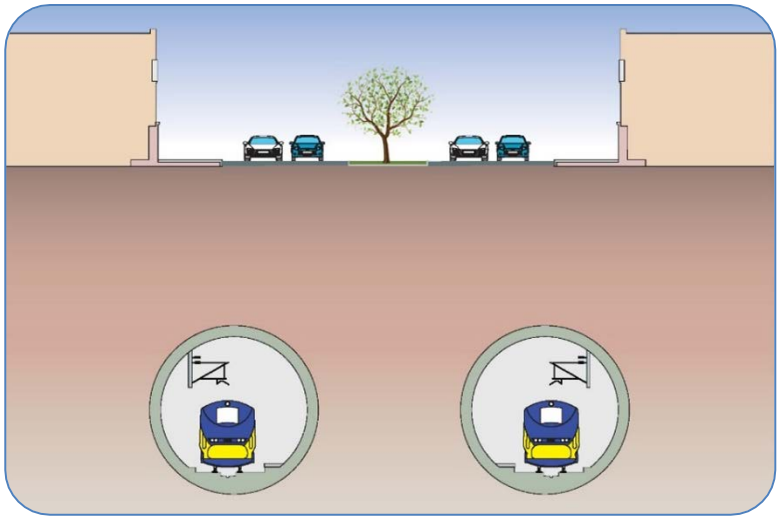
TYPICAL CROSS-SECTIONS

SURFACE





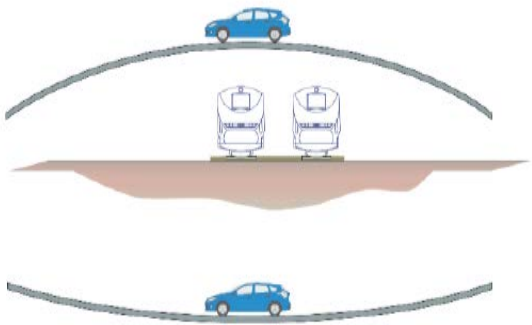
TUNNEL



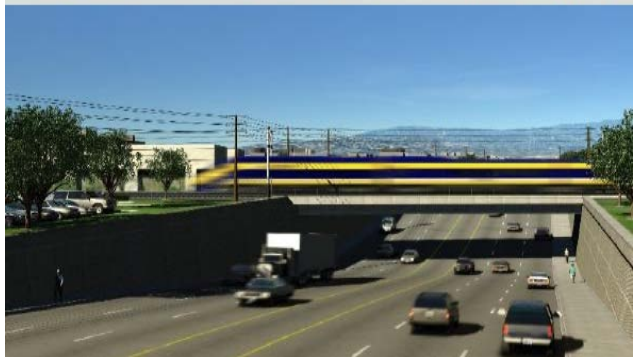
EXAMPLE: GRADE SEPARATION

EXAMPLE: SURFACE

- Pros
  - Fewer visual impacts (vs. elevated)
  - Rider views
  - Constructability
  - Construction costs
- Cons
  - Property impacts
  - Aesthetics (noise barriers)

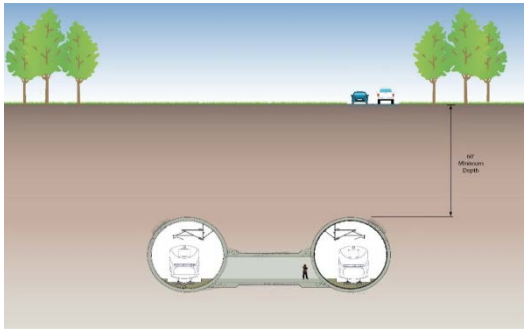


Train tracks at surface level.



EXAMPLE: TUNNEL

- Pros
  - Least visual and noise impacts
  - Reduced surface disruption
- Cons
  - Cost
  - Fire & life safety
  - Limited rider views



Train tracks in tunnel in depths below surface level.

EXAMPLES: SOUND BARRIERS













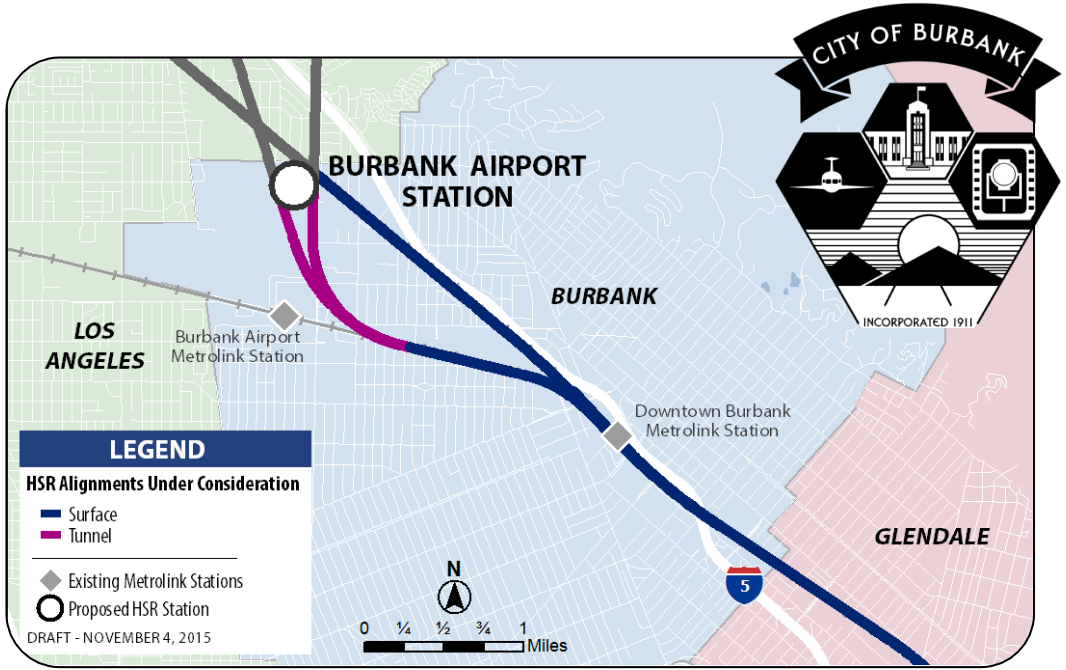

EXAMPLES: BRIDGE DESIGN

EXAMPLES: TUNNEL PORTALS

CORRIDOR CITIES

HIGH-SPEED RAIL IN BURBANK

- Three Alignment Alternatives
- Three Platform Options



HIGH-SPEED RAIL IN GLENDALE

- Follows Existing Rail Corridor
- Coordination with City on Necessary Grade Separations
- Preserve Metrolink Station

HIGH-SPEED RAIL IN LOS ANGELES

- Two Alignment Alternatives
- Proposed Alignments in and Out of Los Angeles Union Station Take into Consideration Sensitive Structures and Aesthetics
- Coordination and Collaboration with Other LAUS Rail Operators Underway

LOCAL SAFETY BENEFITS

- Increased Reliability and On-Time Performance
  - » GPS-based safety technology capable of preventing train collisions and over-speed derailments
- New Grade Separations
- Upgrading Existing Safety Improvements
- Results:
  - » Increased capacity for passenger rail service (Metrolink and Amtrak)
  - » Safer service for all passengers and operators

METROLINK EFFICIENCY IMPROVEMENTS

- Separation of Freight and Passenger Rail
- New and Upgraded Metrolink Locomotives, Facilities and Equipment
- Grade Separations
- Results for Riders:
  - » Increased on-time performance
  - » Increased train frequencies
  - » Improved customer experience
  - » More rail travel options

LOCAL TRANSIT CONNECTIONS