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I-710 Corridor Project EIR/EIS

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# Construction Staging Overview

presented to the

## Corridor Advisory Committee

January 21, 2010



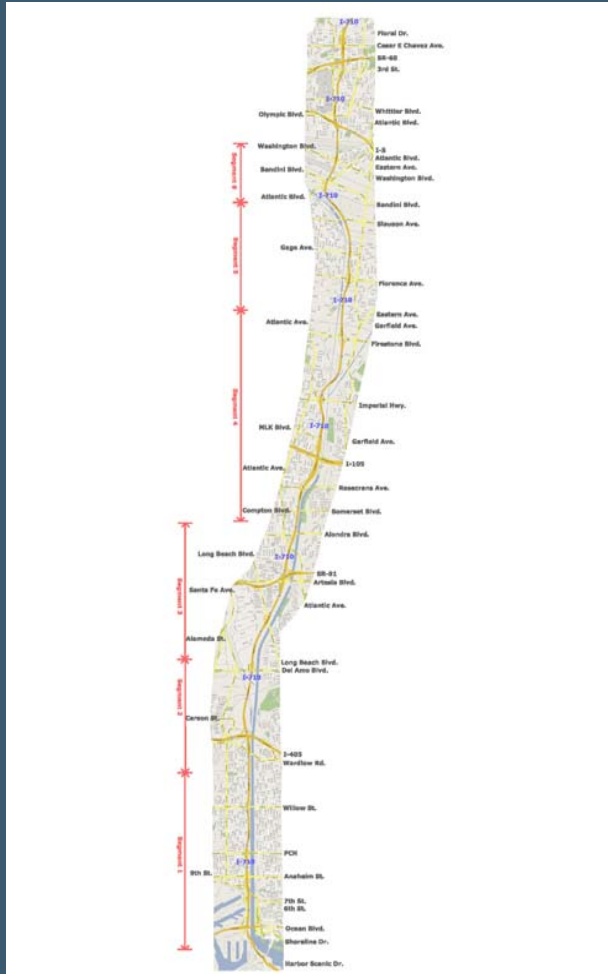
# Staging vs Phasing

- Staging
  - How to build
  - Steps and sequence required
  - Maintenance of traffic
- Phasing
  - When to build
  - What to build
  - Function of funding

# Staging Approach

- Project divided into segments
- Segments divided into major components
  - Interchanges: new ramps and crossing arterials
  - Freeway: mainline widening
  - Freight Corridor: new lanes

# Segments



- 1 Ocean to Willow
- 2 Wardlow to Del Amo
- 3 Long Beach to Alondra
- 4 Rosecrans to Firestone
- 5 Florence to Slauson
- 6 Atlantic to Washington
- 7 I-5 to SR60 (Caltrans)

# Approach Assumptions

- Utilities relocated in advance
- Periodic ramp and arterial closures
- Periodic freeway lane reductions
- Necessary freight corridor elements (foundations) built early
- No adjacent interchanges built simultaneously

# Staging Concepts

- Completed DRAFT Staging Concepts in December 2009
- Agency Comments provided in January 2010
- Conclusions:
  - Viable sequencing
  - Reasonable durations

# Findings

- Independent Utility
  - Segments and many components (interchanges and freight corridor) can be built independently
  - Ocean Blvd. to SR-91 are the minimum operating limits (3 segments) for the freight corridor
- Construction duration for each segment is 5 to 8 years

# Construction Duration

<u>Segment No</u>	<u>Description</u>	<u>Estimated Construction Duration Time</u>
1	Ocean Blvd to Willow St.	81 months
2	Wardlow to Del Amo (w/I-405 Interchange)	77 months
3	Long Beach to Alondra (w/SR-91 Interchange)	85 months
4	Rosecrans to Firestone	54 months
5	Florence to Slauson	80 months
6	Atlantic – Bandini to Washington	93 months



# Analysis Approach

- Funding will determine when each segment is actually built
- Air Quality Assessment
  - Greatest impact occurs if all segments are under construction simultaneously
  - Peak construction emissions occur over a 3 to 4 year period

# Alternative 6 Project Schedule

<u>Year</u>	<u>Project Element</u>
2011	Certified EIR/EIS completed
2015/2016	Complete Design
2016/2019	Property acquisition/utility relocation/right-of-way certification completed
2020/2029	Construction