

#### I-710 Sound Wall EAP Update

Presented to the

**City of Long Beach – I-710 Oversight Committee** 



Metro





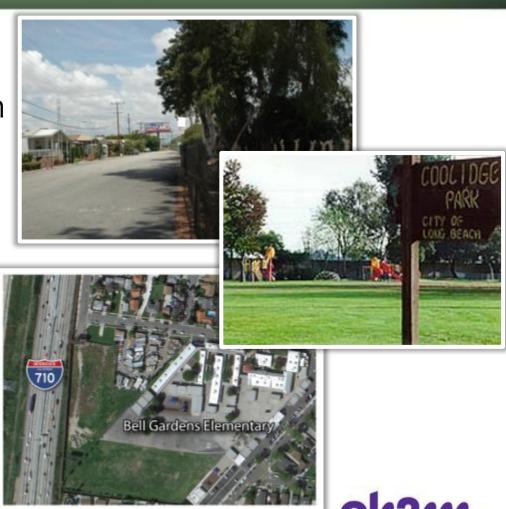


August 2015



## I-710 Sound Wall EAP Update

- Review progress to date
- Risk Assessment Evaluation
- Review the list of proposed early action sound walls
- Next steps







#### **Project Background**

- 2012 Project Start
- 2012 -2013 Preliminary Engineering & Environmental Documentation
- 2014 2015 Refinements for New I-710 Alignments
- Fall 2015 Project Environmental Approval





#### **Project Progress**

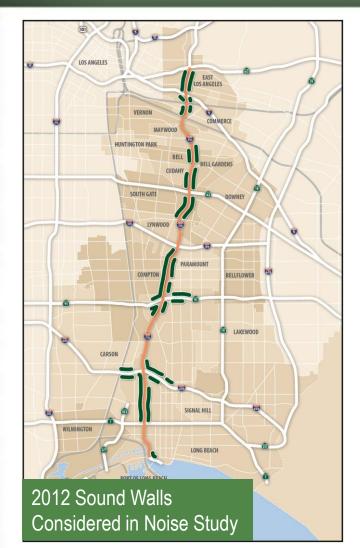
- ✓ Caltrans Finalized the Early Action Sound Barrier Analysis.
- ✓ Reassess feasible sound walls based on Received Geometric Review Drawings (GRD) from AECOM.
- Met with SCE and discussed utility coordination.
- ✓ Submitted Draft Final Reports for Review
- ✓ Addressing Caltrans comments and preparing for Final Review.







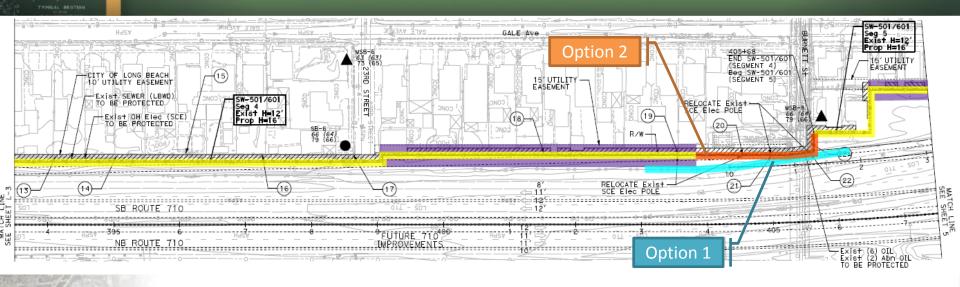
## Comparison of Sound Walls Considered in Study and Proposed Early Action Sound Walls



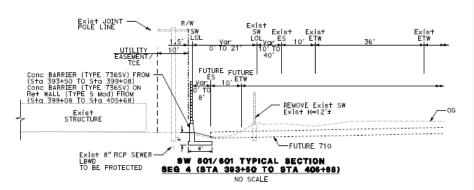




## Risk Assessment Example Portion of Sound Wall in Conflict with Alt 5C

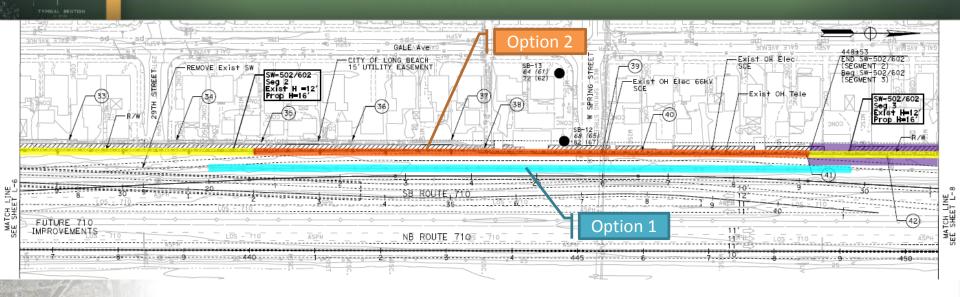


- Option 1: Aesthetically Treat Existing Sound Wall. Throw-Away Cost: \$40,000.
- Option 2: Construct new sound wall. Throw-Away Cost: \$200,000

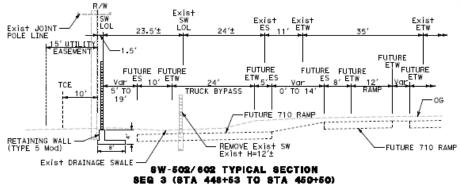








- Option 1: Aesthetically Treat Existing Sound Wall. *Throw-Away Cost:* \$105,000.
- Option 2: Construct new sound wall. Throw-Away Cost: \$790,000.



NO SCALE



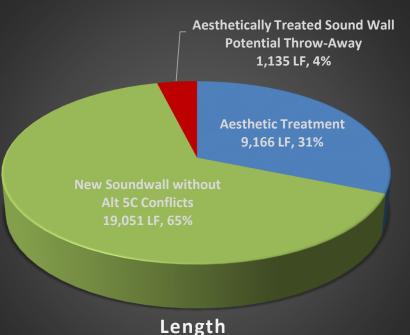
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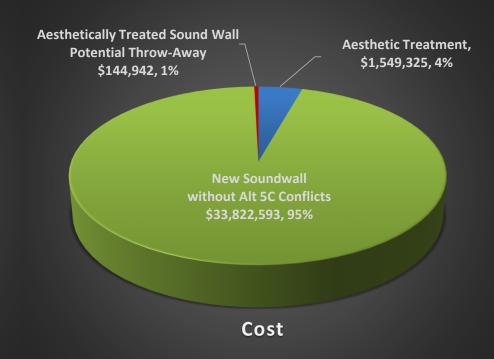
**Total Sound Wall** 

## 710 Sound Wall Total Length vs. Cost

(Long Beach Only)



29,352



100%

\$35,516,860

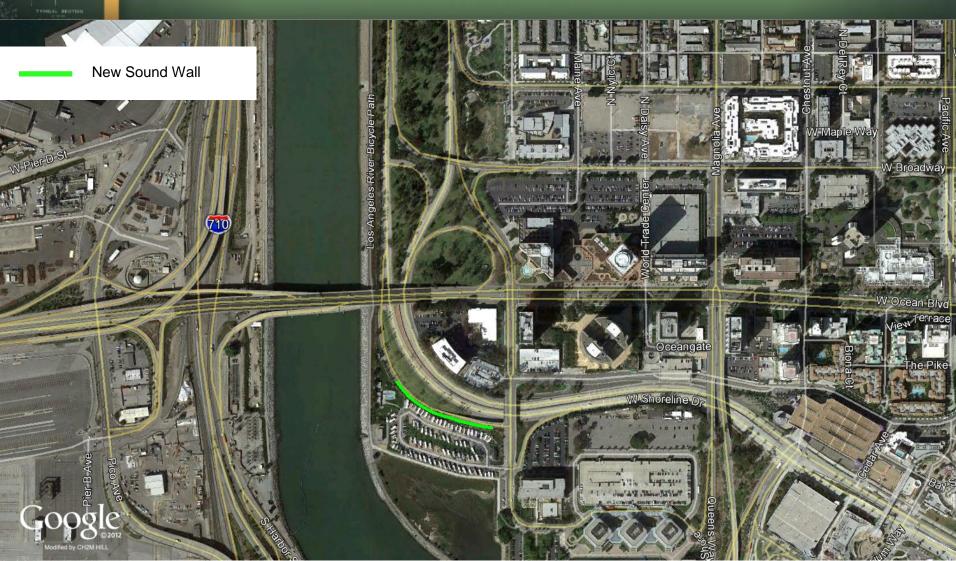
All Packages	Length	% of Total Length	Cost	% of Total Cost
New Sound Wall	19,051	65%	\$33,822,593	95%
Aesthetic Treatment	9,166	31%	\$1,549,325	4%
Throw-Away Cost	1,135	4%	\$144,942	1%

100%





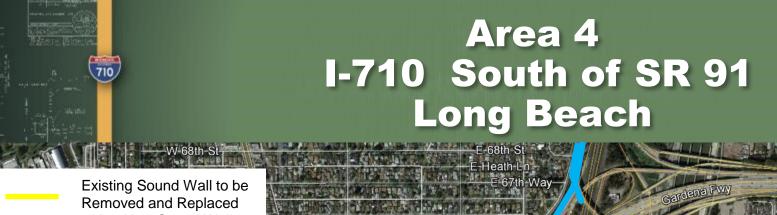
## Area 1 I-710 Terminus Long Beach







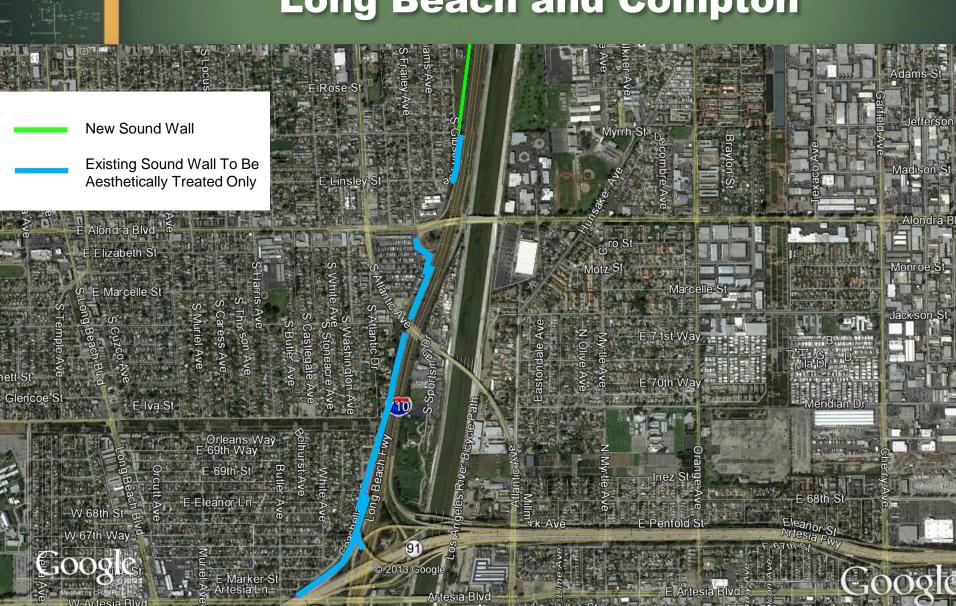








# Area 5 I-710 from SR 91 to I-105 Long Beach and Compton

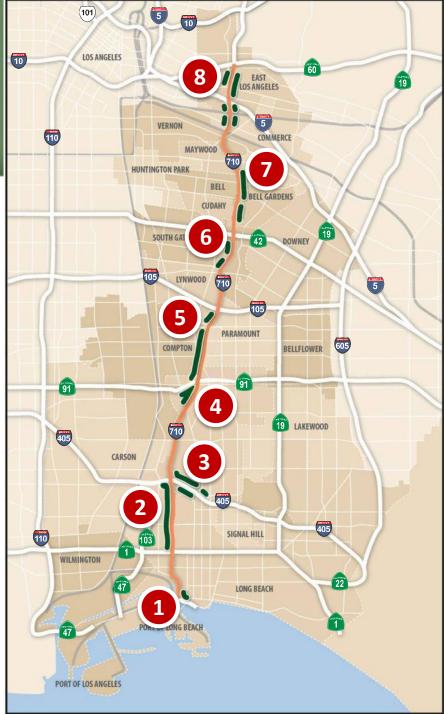


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## **Proposed Early Action Sound Walls**

Categories	New or Existing Sound Walls (Miles)	
New Sound Wall Construction	2.0 Miles	
Aesthetics Treatment to Existing Sound Walls Only	3.6 Miles	





## Next Steps

- Approval on final reports including supplemental NBSSR and environmental documentation as needed.
- TAC to provide their recommendations in regards to proceeding with PS&E, including the high risk sound walls.
- TAC to concur with next steps.
- Receive Environmental Approval to move forward with the PS&E Phase in Fall 2015.

