



Santa Ana River Bridge Seismic Retrofit Increase of Change Order Authority

Engineering & Operations Committee

Item 7-3

April 11, 2016

Current Action

- Authorize increase of \$160,000 in C.O. authority for seismic retrofit of the Upper Feeder's Santa Ana River Bridge
- No funds requested



Distribution System



Background



- **Santa Ana River Bridge**
- **1010 feet long**
- **18 feet wide**
- **12 piers 20-43 feet tall**
- **Caissons 4-40 feet deep**
- **28 base isolators**

Background

Contract 1816

- Awarded to Kiewit Infr. West Co. - August 2015
- Contract amount - \$2,998,000
- Scope - Replace base isolators, reinforce caisson foundations, strengthen bridge components, replace access platforms, repair expansion joint, & furnish new expansion joint

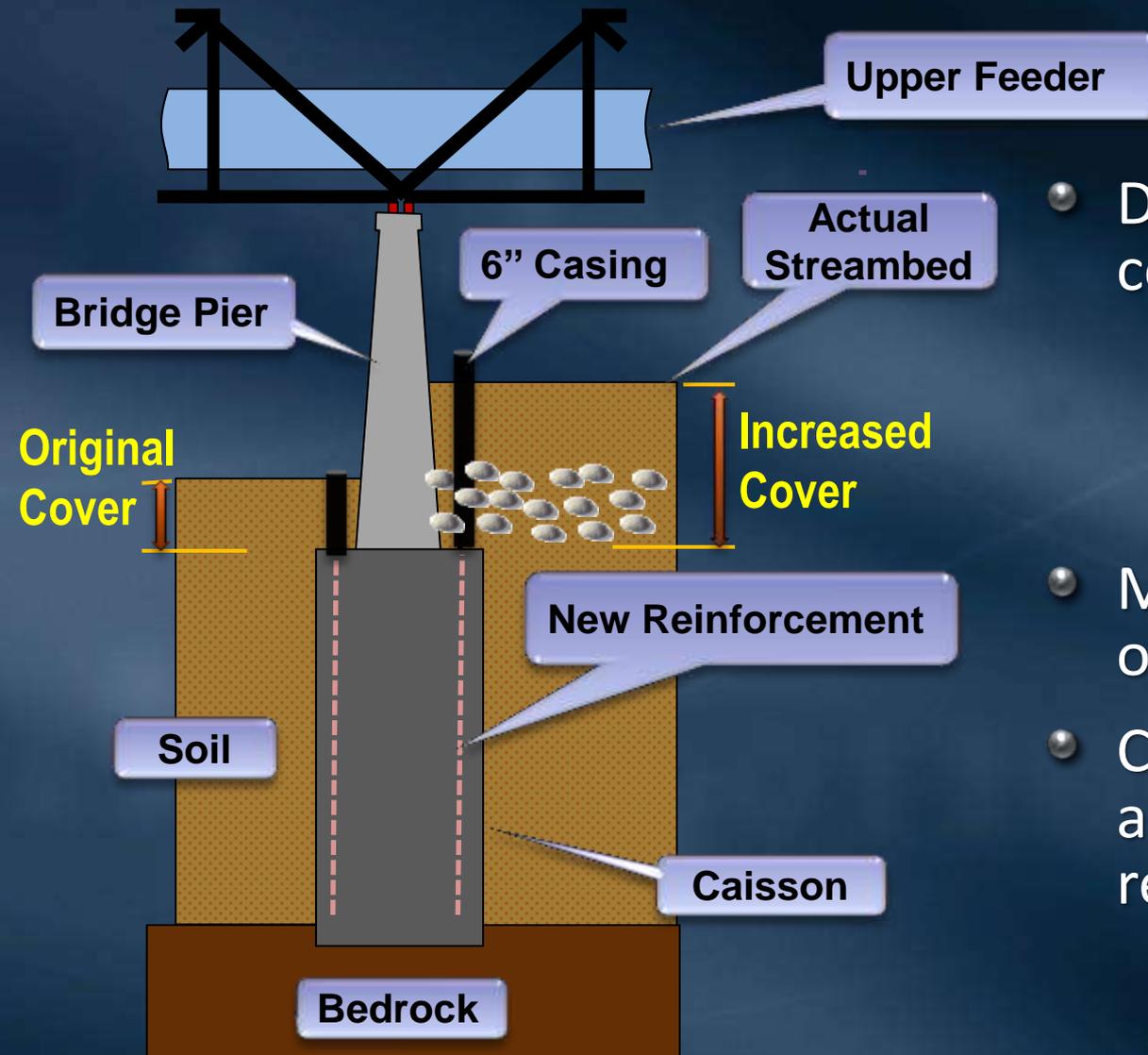


New Base Isolators



Pier Platform Modifications

Caisson Reinforcement



- Differing subsurface conditions in streambed
 - Increased sediment
 - Increased quantity of boulders & debris
- Modified drilling eqpt & operations required
- Contractor expended additional labor & resources

Caisson Reinforcement



Santa Ana River Bridge Seismic Retrofit

- Contract amount \$2,998,000
- Present C.O. authority \$ 250,000
- New total authority requested \$ 410,000
 - C.O.'s executed to date \$ 30,000
 - C.O. for caisson reinforcement \$ 340,000
- Increase in C.O. authority requested \$ 160,000
- No additional funds required

Board Options

- Option #1

- Adopt CEQA determination that the proposed action has been previously addressed in the approved 2013 MND and MMRP, that no further environmental analysis or documentation is required, and that fiscal aspect of C.O. authority is not subject to CEQA
- Authorize increase of \$160,000 in C.O. authority for the Upper Feeder Santa Ana River Bridge seismic retrofit, up to an aggregate amount not to exceed \$410,000

- Option #2

- Do not increase C.O. authority

Staff Recommendation

- Option #1

