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## Widening Highway Bridges Aci 345.2r 13

**aci 345.2r-13 guide for widening highway bridges** - aci 345.2r-13 guide for widening highway bridges  
author: aci committee 345 subject: this guide discusses technical issues related to the widening of concrete bridges and bridges with concrete decks. the primary focus of this document is on bridge decks, even though substructure issues are raised and discussed. **widening and railing replacements at three bridges** - widening and railing replacements at three bridges v summary the california department of transportation (caltrans) will widen three existing bridges in rural tulare county on state routes 201 and 216 and replace the bridge railings. on state route 201, the sand creek bridge (no. 46-0137) at post mile 12.48 and the friant- **9-3 widening existing bridges** - caltrans - memo to designers 9-3 • may 2010 9-3 widening existing bridges the widening of an existing bridge presents a multitude of individual challenges during the planning and design phases, during construction, and throughout its service life. **widening and rehabilitation of state highway 28 bridges ...** - structural and potential functional renovation of the oklahoma state highway 28 bridges over the grand neosho river in mayes county. the consultant team developed and evaluated three rehabilitation and widening alternatives in addition to the sole rehabilitation scenario. **economical bridge widening - aspire** - was complementing other bridges along the highway, which were constructed with cast-in-place concrete box girders, while remaining within a tight budget. the solution was found in using two types of precast concrete girders, which also helped overcome other obstacles. profile garden grove boulevard widening / orange county, calif. **route 7 widening and bridge rehabilitation over dulles ...** - route 7 widening and bridge rehabilitation over dulles toll road and ... • route 7 widening and bridge rehabilitation over dulles toll road and airport access highway . 8 project overview (section 2.0) ... two bridges over dulles airport toll road (datr) - **i-64 southside widening and high rise bridge, phase i** - i-64 southside widening and high rise bridge, phase i scope and budget project scope: • widening of the existing interstate from 4 lanes to 6 lanes • widening will accommodate one hot lane, and two gp lanes • hard shoulder running will be provided between george washington highway (route **hampton roads bridge-tunnel expansion project** - landside highway widening highway widening and reconstruction • earthwork, pavement, signs, lighting, maintenance-of-traffic widening, rehabilitation, or replacement of ~30 bridges • precast and cast-in-place concrete proposed new roadway configuration: **widening of existing bridge abutments a geotechnical approach** - widening of more than five existing bridges; deconstruction and reconstruction of three existing bridges and construction of two new structures. this paper focuses in detail on a particular bridge constructed in 1985 and forms part of the southbound widening of a major interchange. the approach adopted at **2019 new hampshire highway & bridge construction work - nh** - highway & bridge construction work ... barnstead - this project consists of bridge preservation work on two bridges on nh route 28. one bridge carries nh 28 over beauty hill road, and the other carries nh 28 over the soucook river. ... the work involves widening both sides of nh 28 bypass to add a left turn lane in both directions, **4/12/2019 alabama statewide transportation improvement ...** - 100069503 br 4517 (251) utilities bridges and approaches 2019 \$49 \$0 \$12 \$61 100068786 br 4517 (251) construction bridges and approaches 2019 \$1,041 \$0 \$260 \$1,301 total cost: \$1,090 \$0 \$272 \$1,362 route cr-na project description safety improvements (shoulder widening, pavement scoring, signing and striping) along ryland pike **bridge design standards and guidelines** - highway bridges and the montana department of transportation bridge design manual. if there is a difference between aashto and the montana standards, the montana standards control, because they tailor designs to local conditions. b) horizontal and vertical clearances see attachment i-a c) bridge width 1) new bridges **highway bridge program - ftptate.tx** - the highway bridge program, or hbp, is a federal program established in 1978 to provide for the repair and replacement of both on- and off-system highway bridges. the purpose of the program is to increase the safety of highway bridges nationwide. the impetus was a tragic 1967 bridge collapse in west virginia that killed 46 people. over the next 11 **salinas river bridges seismic retrofit - caltrans** - salinas river bridges seismic retrofit . on highway 101 near king city, monterey county . 05-mon-101 pm r41.3/r41.8 . ea 1c9600/05 1300 0019 . initial study with proposed mitigated negative declaration **appendix h highway 407 bridge widening alternatives design ...** - constructability, with widening to the west ultimately being selected as the preferred alternative. development of widening alternatives a geomatic survey was carried out by mmm in january 2017 to determine vertical clearances on the west side of the existing structure over highway 407.

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