

CS³: CONTEXT SENSITIVE AND SUSTAINABLE SOLUTIONS

Community values shaping a new generation of bridges.

The OTIA III State Bridge Delivery Program is part of the Oregon Department of Transportation's 10-year, \$3 billion Oregon Transportation Investment Act. OTIA funds are repairing or replacing hundreds of bridges, paving and maintaining city and county roads, improving and expanding interchanges, adding new capacity to Oregon's highway system, and removing freight bottlenecks statewide. Based on 2008 dollars, about 14 family-wage jobs are sustained for every \$1 million spent on transportation construction in Oregon. Each year during the remainder of the OTIA program, we estimate that construction projects will sustain an average of 4,100 family-wage jobs.

Creating a positive legacy

- Oregon's \$1.3 billion OTIA III State Bridge Delivery Program establishes a new way of doing business for the Oregon Department of Transportation—one designed to create a positive legacy that endures long after construction is complete.
- The innovative decision-making framework known as Context Sensitive and Sustainable Solutions, or CS³ (pronounced *C-S-cubed*), helps ODOT preserve Oregon's scenic, aesthetic, historical, environmental, economic and other community values while building safe and enduring projects.
- CS³ puts communities and stakeholders at the heart of decision-making. Listening to and responding to community needs are key components in rebuilding Oregon's highway bridges.
- The CS³ philosophy encompasses eight factors: economic stimulus, diversity, environmental program management, environmental justice, mobility, public involvement, sustainability and cost-effectiveness.

Creating sustainable outcomes

- Across the state, ODOT is repairing and replacing hundreds of aging bridges, not only to serve the needs of motorists but also to endure in harmony with their surroundings and add lasting value to the communities they serve.
- Sustainable solutions mean doing the job in ways that not only reduce negative impacts, but also extend the economic, social and environmental benefits of bridge construction well into the future.
- By applying CS³ principles, ODOT is developing innovative solutions that will result in a better-trained workforce, engaged and involved communities, and a stronger state economy.
 - › To provide Oregonians with the skills to maintain well-paying, sustainable careers, the agency created its Workforce Development Program to help increase the number of workers available to work on highway construction projects. The program is designed to expand diversity in employment, boost apprenticeship participation, and provide more training resources and opportunities for highway construction careers.



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- › ODOT obtained a Highways for LIFE grant from the Federal Highway Administration for its innovative use of rapid replacement on two Oregon 38 bridges in Elkton.
- › The agency groups bridge projects into “bundles” of varied sizes so that Oregon design and construction firms can bid on them successfully.
- › The agency collaborated with 11 state and federal regulatory agencies to combine regulatory requirements and environmental performance standards into a single set of permits to speed project completion, save time and money, and protect natural environments.

