

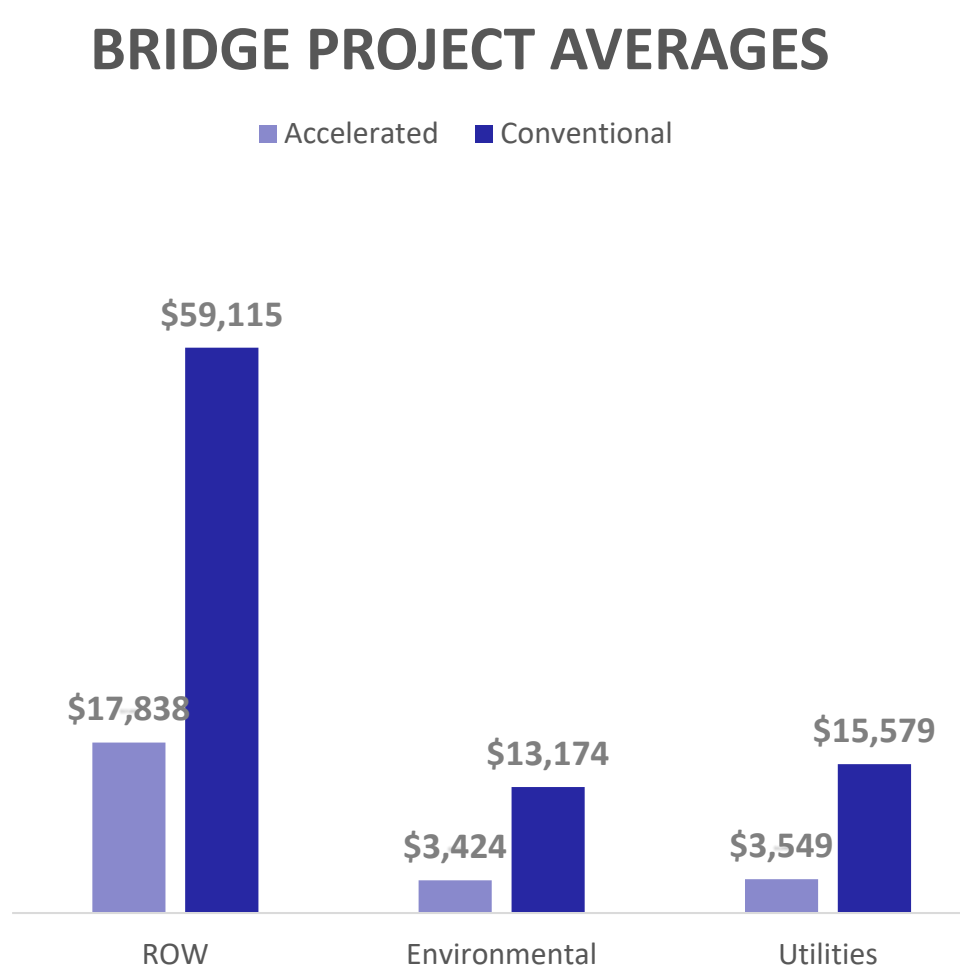
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## Strategy 3: Context Sensitive Design/Solutions

**70-75% savings in resource demands**

- Less impact to resources
- Minor alterations and “Block Out Approach” to minimize ROW impacts
- Environmentally responsible
- Team co-location



Average Construction Duration

	Projects Using Prefabricated Bridge Elements	Projects NOT Using Prefabricated Bridge Elements
Accelerated Bridge Program	234 days	379 days
Conventional Bridge Program	316 days	459 days

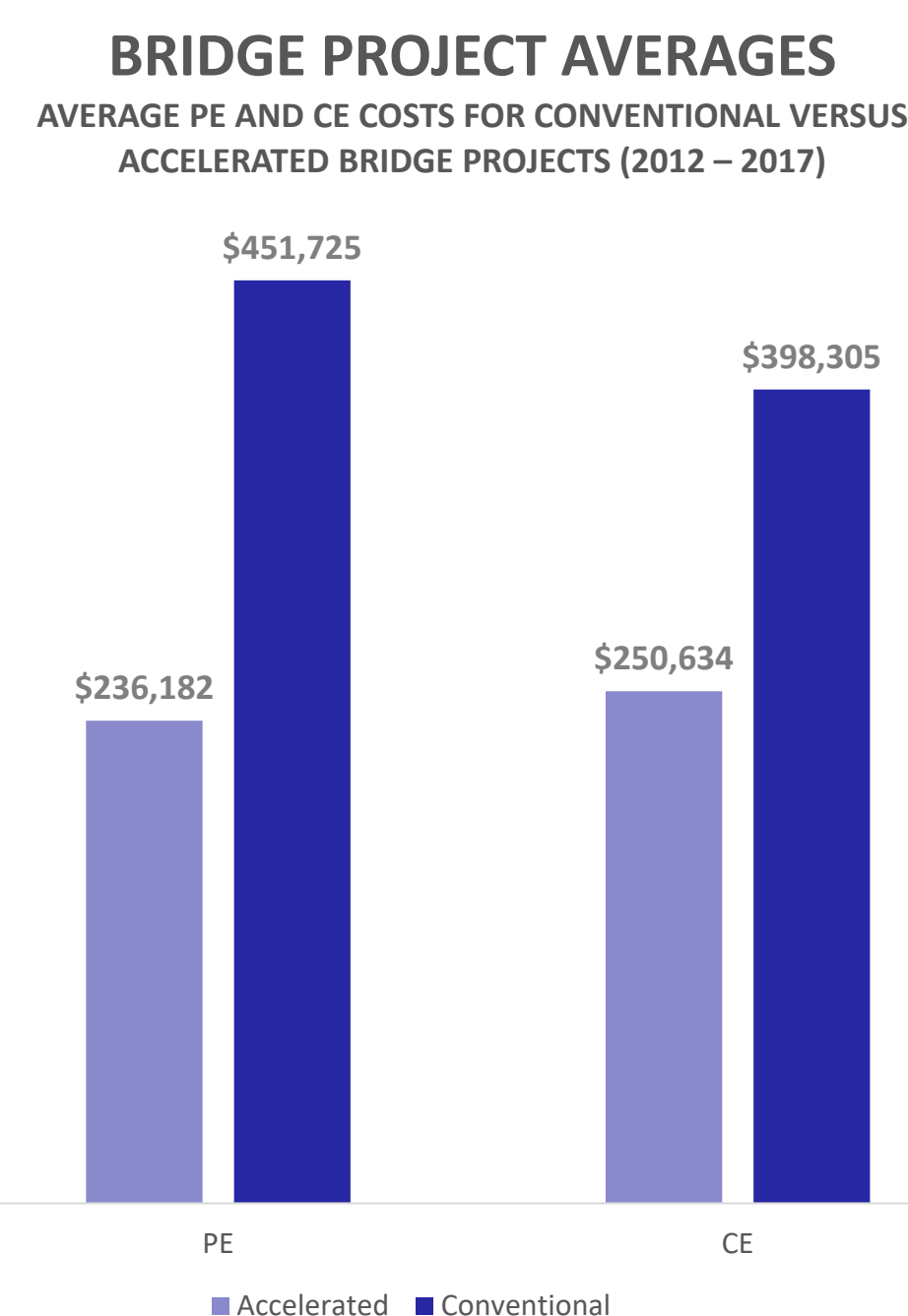
Average Construction Duration (days) Based on Traffic Control (2012-2017)

Detour	Phasing	Temporary Bridge
211	280	388

## Strategy 8: Expediting Internal Review and Decision-Making

**40% savings in Preliminary and Construction Engineering costs**

- Standardized drawings and specifications
- Standardized design details
- Builds on the success of past projects



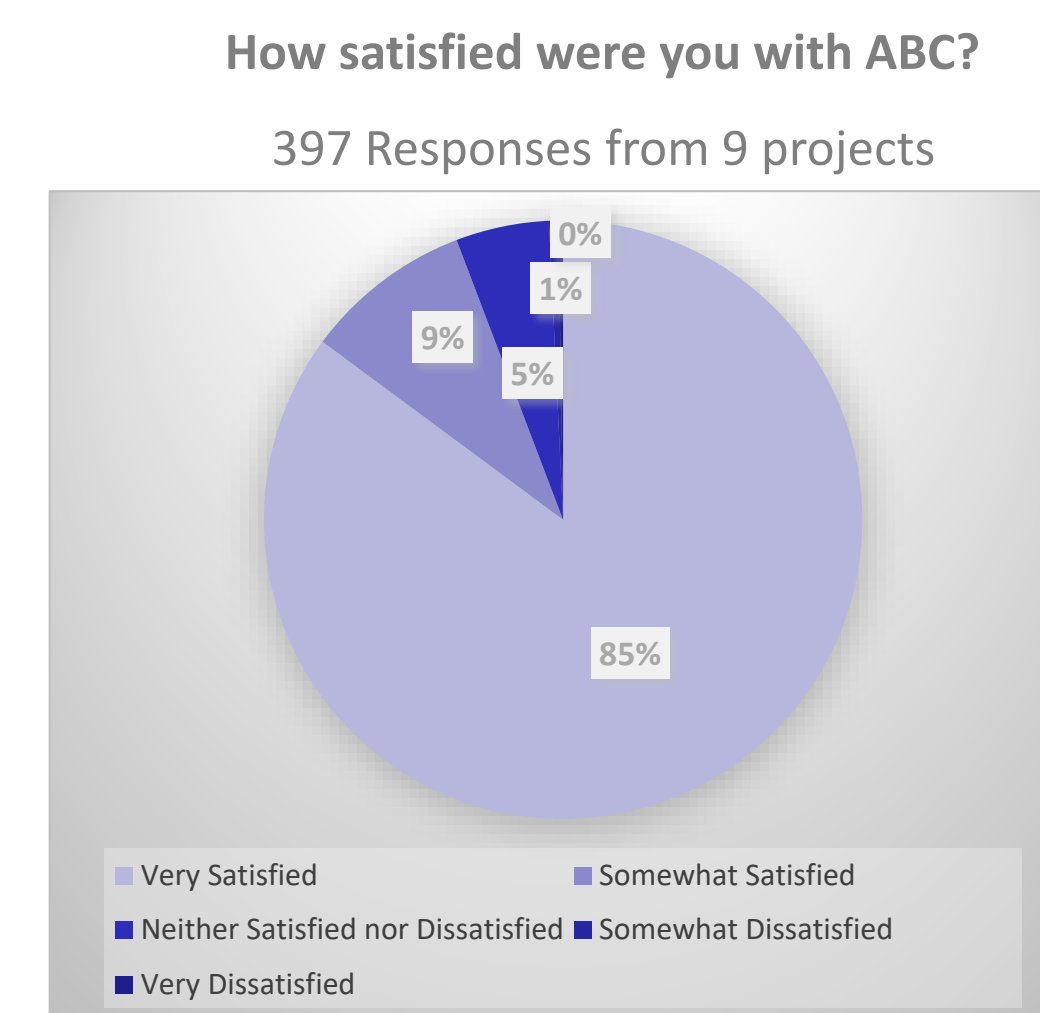
## Strategies for Expediting Project Delivery

In 2012, the second Strategic Highway Research Program (SHRP2) published a report entitled, “Expedited Planning and Environmental Review of Highway Projects” (S2-C19-RR-1). VTrans used the SHRP2 funds to develop an action plan that identifies, describes, and evaluates the leading constraints to expediting project delivery (EPD) in the Accelerated Bridge Program (ABP) as well as strategies to overcome these barriers with a special emphasis on five of the strategies referenced in S2-C19-RR-1:

- Strategy 3: Context Sensitive Design/Solutions
- Strategy 8: Expediting Internal Review and Decision-Making
- Strategy 10: Highly Responsive Public Engagement
- Strategy 21: Strategic Oversight and Readiness Assessment
- Strategy 22: Team Co-Location

## Strategy 10: Highly Responsive Public Engagement

**Customer satisfaction surveys are sent out post-construction:** The majority of customers are saying they are satisfied with ABP.



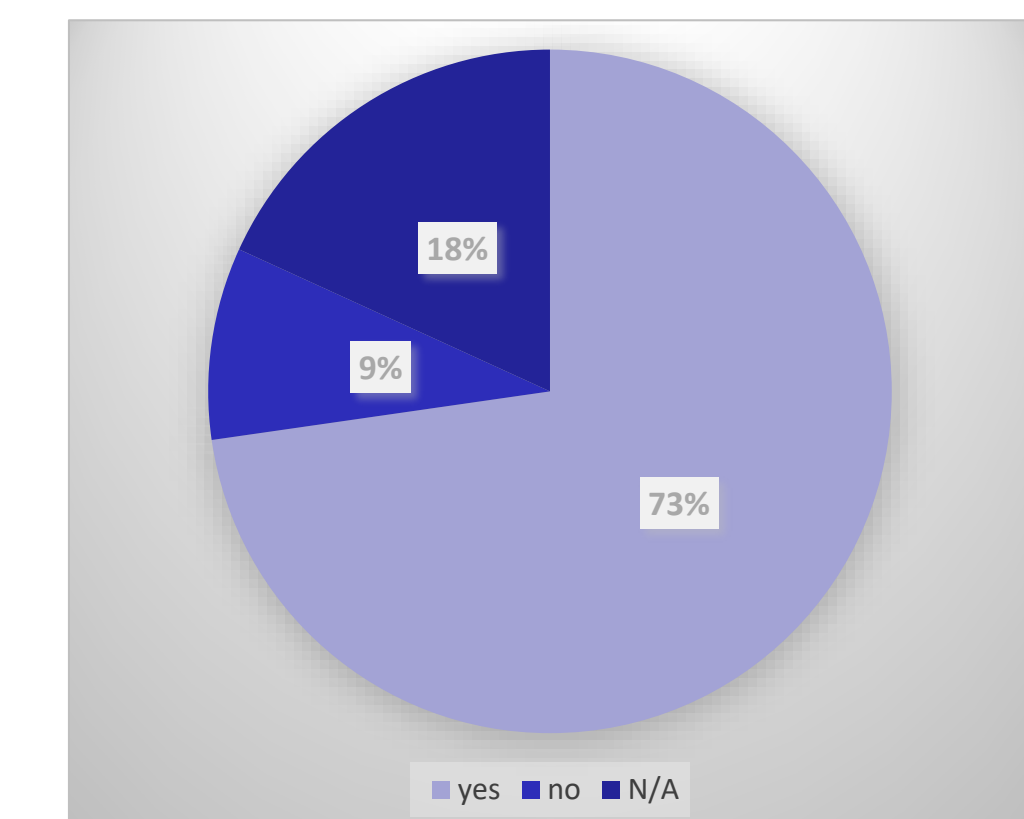
**Polling clickers were purchased using SHRP2 grant funding –** public participation, feedback, and satisfaction has increased since the purchase of the clickers.



## Strategy 21: Strategic Oversight and Readiness Assessment

**A collaboration phase was added to the scoping process in 2014 with great success. In 2016 a questionnaire was sent out to collaboration phase participants to provide structures feedback on the meaningfulness of this collaboration phase.**

Do you feel like your concerns are heard and considerations are made to address these concerns?



*“One improvement could be to extend the process throughout the agency”*

*“Collaborating is a concept that has been embraced. By virtue of it’s meaning it brings people together to produce the best engineering solution.”*

*“Kudos for reaching out and trying to improve this most important phase of our definition and design process!”*

## Strategy 22: Team Co-Location

**The ABP program promotes collocation of staff to facilitate communication and advance the team approach.**

- Staff from the Utilities Sections have been assigned to the Structures Section
- Hydraulics Unit was joined with the Structures Section
- Opportunity to cross train staff and advances the team approach for delivery of projects

