



2024 Research
and Innovation
Symposium

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Barre Auditorium

Barre VT

Developing a Framework for Defining Quality and Constructability of Transportation Projects

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Objective

To develop a framework for VTrans to implement to engage the contracting community to improve partnering and for feedback to VTrans to better define risk, quality, and constructability.

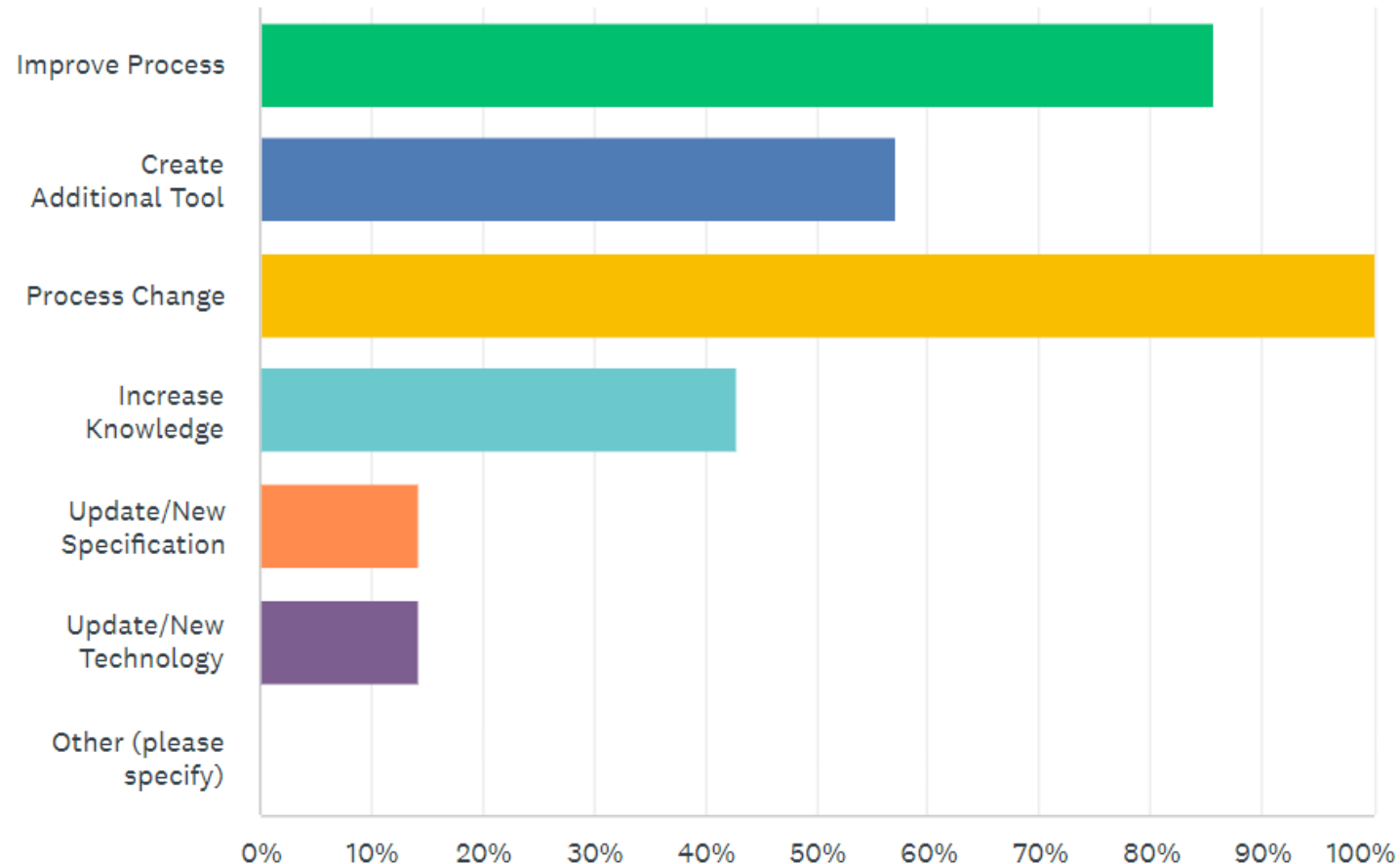
Methodology

- 1 • Collect Data (Literature Search, Survey, Focus Groups)
- 2 • Analyze Data: Errors & Omissions, Contract Change Orders, Claims
- 3 • Review Current State-of-Practice
- 4 • Perform Risk Assessment
- 5 • Prepare Interim Report
- 6 • Propose Engagement Framework
- 7 • Test and Finalize Framework
- 8 • Prepare Final Report

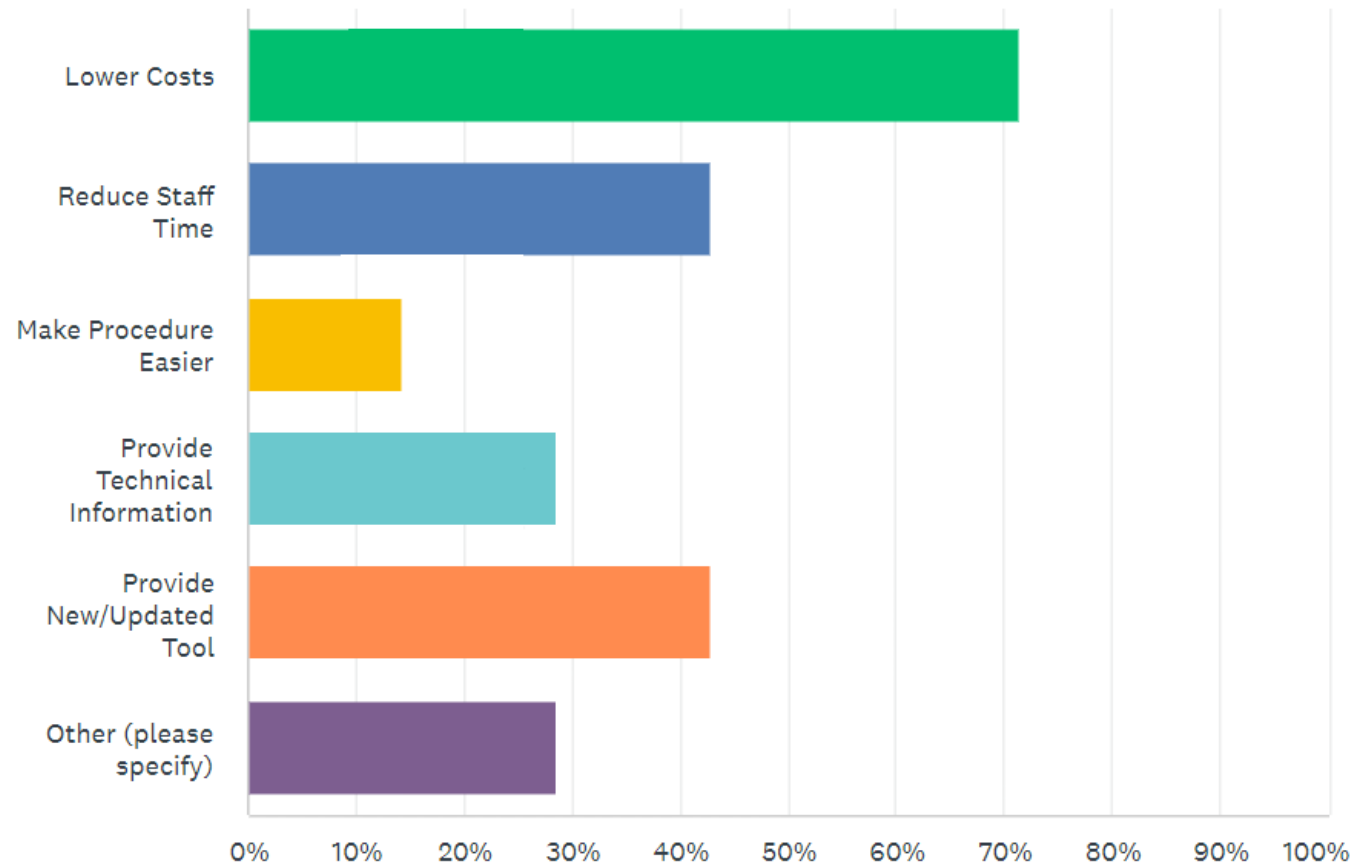
Schedule

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Task/Deliverable	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25
Task 1 Data Collection	█	█	█	█	█													
Task 2 Data Analysis		█	█	█	█	█												
Task 3 State of Practice				█	█	█												
Task 4 Risk Assessment						█	█	█										
Task 5 Interim Report								█	█									
Task 6 Engagement Framework										█	█	█	█					
Task 7 Test Proposed Framework												█	█	█	█			
Task 8 Final Report															█	█	█	█

What type of improvement will this project accomplish?



How will this research make things easier?



Improved collaboration, risk allocation, and quality.

Improve quality of work

What do you think the benefits will be?

We want better contract documents so that the **bidding and construction process will be smoother** and ultimately more fair to all and less expensive for the Agency.

Providing a **biddable and buildable set of plans**. Plans that limit the number of change orders and errors/omissions.

Improve construction contracts to make them more **biddable and buildable**

Improved internal and external engagement with contracting community leading to improved construction quality and constructability.

Improved quality of deliverables that can lead to **better pricing of work, reduce the changes and overruns, and develop meaningful professional relationships** with effective communication channels.

Help understand how to **make projects more efficient** and understand how to **save money in construction**

Data Collection

- Quality issues
- Communication issues
- Improvement opportunities
- Priorities
- Future trends



We need your input, please complete our survey at <https://forms.gle/GHpgCciFvyE69eQT8> or scan the QR code!

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