

2017 Research Symposium & STIC Annual Meeting

e-Construction at VTrans

STIC PROJECT TITLE

e-Construction at VTrans

STUDY TIMELINE

Sep. 2016 – Feb. 2019

PRINCIPAL CHAMPION

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VTrans
Construction Section

VTRANS CONTACT(S)

Matthew Digiovanni, FHWA
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MORE INFORMATION

None.

This fact sheet was prepared for the 2017 VTrans Research Symposium & STIC Annual Meeting held on **September 28, 2017** at National Life in Montpelier, VT. 8:00 am– 12:00 pm.

Fact sheets can be found for additional projects featured at the 2017 Symposium at <http://vtrans.vermont.gov/planning/research/2017symposium>

Additional information about the **VTrans Research Program** can be found at <http://vtrans.vermont.gov/planning/research>

Additional information about the **VTrans STIC Program** can be found at <http://vtrans.vermont.gov/boards-councils/stic>

e-Construction is the collection, review, approval, and distribution of highway construction contract documents in a paperless environment. VTrans is exploring various ways to implement the e-Construction initiative within the Construction section. Some specific areas of interest are:

- Electronically capturing construction data
- Electronic submission of all construction documentation
- Increased use of mobile devices
- Increased automation of document review & approval
- Essential use of electronic signatures by all parties throughout the process
- Secure document and workflow management accessible to all stakeholders on any device

While some of these areas will take some time to fully implement, other areas are already being used and are making our process more efficient. Some benefits of e-Construction are:

- Save time and money
- Improved communication
- A sustainable “green” technology

In September 2016, VTrans began using Doc Express to manage construction submittals. Doc Express is a web-based software that is designed specifically for managing submittals during the construction phase of a project and provides a paperless contracting service that provides a secure digital filing cabinet. Workflows can be created to make signing or approving submittals efficient and transparent to all stakeholders.

To date VTrans has over 80 contracts with over 5000 documents in Doc Express with more contracts being added each week. We are constantly looking to add more workflows to handle different types of documents and envision a time when all, or at least most, of our construction documentation is contained in one location that is accessible to all.