

2019 Research Showcase

I-89 Exit 16 Diverging Diamond Interchange Renderings

& STIC Annual Meeting

PROJECT TITLE

VTrans Colchester HES NH 5600(14)

VTRANS CONTACTS

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This fact sheet was prepared for the 2019 VTrans Research Showcase & STIC Annual Meeting held at the Dill Building in Berlin, VT, on September 11, 2019 from 8:30 am– 1:00 pm.

Fact sheets can be found for additional projects featured at the 2019 Symposium at

<http://vtrans.vermont.gov/planning/research/2019showcase>

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>

Introduction or Problem Statement

The Colchester HES NH 5600(14) project involves reconfiguring the I-89 Exit 16 interchange to a Diverging Diamond Interchange (DDI), an innovative solution to address traffic congestion and safety concerns. VTrans reached out to Stantec with an immediate need for realistic renderings for public hearings.



Methodology or Action Taken

Stantec's team determined that the best way to create the renderings was to develop a realistic 3D model and was used to create the needed renderings, and in addition to produce multiple drive-through and flyover videos, Stantec also created a video game like driving simulator.

Conclusions or Next Steps

These renderings and driving simulator will assist with the new VTrans public outreach program currently being rolled out.

Potential Impacts and VTrans Benefits

The benefit of having these realistic graphics allows project stakeholders to easily see how this transportation facility will look, operate, and fit into the existing environment.