Lewistown Road Bridge Replacement
Brian Ramsey, P.E.
Northern Region Area Construction Engineer
Lewistown Road Bridge Over I-95

**NTP:** May 2015  
**FCD:** November 2017  
**Project Delivery:** D/B/B  
**Prime Contractor:** English Construction  
**Original Contract:** $18.2M  
**Added Median Widening:** $4.6M

- 25% increase in cost  
- 2-day schedule impact
Lewistown Road Bridge Replacement

Lewistown Road over I-95 – Hanover County
Project Basics

• Category IV Scheduling Specification
• Replace obsolete structure – substandard vertical clearance at I-95/Lewistown Road
• Reconstructed bridge – 16’-5” current standards
• Bridge widened to accommodate two westbound lanes and one eastbound lane on Lewistown Road
• Turn lanes added at the I-95 intersection, truck stop, and Airpark Road
• Airpark road and Ramp C realigned to improve traffic flow at the interchange
I-95 NB at Lewiston Road
Project Risks

- Change in scope of work – I-95NB added work
- Project Impacts to adjacent properties and public
  - Hanover County Airport – coordinating traffic camera installation
  - TA Travel Center – high truck traffic
  - I-95 mainline construction zone impacts
    - Contract limited the number of ramp-to-ramp detours
- Construction of gas line on Airpark
  - Pre-approved VNG Contractor specified
- PlanGrid used by VDOT/Consultant staff and WCE to help mitigate risk and coordinate various plant sets, etc.
Lewistown Road Bridge Replacement

Phase 1 Girder Erection

Abutment A Pile Installation
PlanGrid

PROJECT
ADMIN

[Images of web browsers and devices connected to a cloud]

VDOT
PlanGrid Features

- **RFI Management**
- **Submittals**
- **Field Reports**
- **Issue Tracking**

### Plan Grids Features

- **Plans**
  - Markups
  - Scaling
  - Hyperlinks
  - Revision Coordination
  - Snapshots/Emailing

- **Coordination**

- **Contract Documents**

- **Photos**

### Cost per Month per User

<table>
<thead>
<tr>
<th>Plan Type</th>
<th>Cost</th>
<th>Sheets</th>
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Document Control: Added I-95 Median Widening

- I-95N Added Lane
- ~1 lane mile
- $4M+ added work
- Phase II of I-95 Operational Improvements
- 130+ pages of new contract documents
Managing Change

- Coordinating between original and added plan sets
- Incorporating field changes into as-builts
- Proactive in identifying potential field issues
PlanGrid in Action

- 2 separate permits, 40+ total disturbed acres
- 100% Environmental Compliance
- PlanGrid for issues tracking
- Supplement to C-107 Process
Lewistown Road Bridge Replacement

Questions?

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