PlanGrid In Action

PARTNERING THROUGH CHANGE: LEWISTOWN ROAD BRIDGE
PlanGrid In Action: Partnering Through Change on Lewistown Road Bridge

Presenters

- Brian Ramsey, PE
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- Jeremy Cobb, PE, CCM
  - VDOT Construction Manager, Richmond District Northern Region

- Ryan Akins, PE, CCM
  - RK&K Lead Inspector/Office Engineer

- Colin Reilly, EIT
  - RK&K Lead Inspector/Office Engineer
Lewistown Road Bridge Over I-95

- **NTP:** May 2015
- **FCD:** November 2017
- **Original Contract:** $18.2M

- 34% increase in cost
- 0.2% increase in schedule
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PlanGrid

PROJECT ADMIN

Diagram showing a network of devices connected to a cloud service.
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PlanGrid Features

- RFI Management
- Submittal Management
- Field Reports
- Issue Tracking
- Plans
  - Markups
  - Scaling
  - Hyperlinks
  - Revision Coordination
  - Snapshots/Emailing
- Contract Documents
- Photos
- Team Collaboration

Cost per Month per User

<table>
<thead>
<tr>
<th>Sheets</th>
<th>Cost per User</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>$39</td>
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<tr>
<td>5,000</td>
<td>$59</td>
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<tr>
<td>Unlimited</td>
<td>$119</td>
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Why?
CHANGE #1: Added Work

- I-95N Added Lane
  - ~1 lane mile
  - $5M+ added work
  - Outside scope/limits of original contract
CHANGE #1: Additions

- 130+ pages of added contract documents
- 2 separate work orders
  - 32 new pay items
  - 25 "delta" pay items
  - +overruns
CHANGE #1: Additions

- Coordinating between original and added plan sets
CHANGE #2: Revisions

UTILITY RELOCATIONS COMPLETE
CONFLICTS
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Proposed 2" Gas Service
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CHANGE #3: Issues

**Description:**

Issue #3, 491

**Description:**

Location issue too low — inches to finish grade. Between old ramp C and new ramp C on Lewistown — 2 total.

**Location:**

Cedar Valley
Feb 2, 2016

**Assignee:**

Cedar Valley

**Status:**

Open

**Notes:**

Paper sift fence and add check dam. Scope to drain to check dam.

**Images:**

1. Silt fence and check dam.
2. Silt fence and check dam.

**Dates:**

2015-10-02 at 14:25

**Notes:**

Flush sub-base silt fence and add check dam. Need to evaluate entire area with phased work (stream crossings, box culverts, stream crossing relocation, etc.).

**Images:**

1. Check dam and silt fence.
2. Check dam and silt fence.

**Dates:**

2015-10-02 at 14:57

**Dates:**

2015-10-02 at 14:57
CHANGE #3: Issues

- **Case Study:** Erosion and Sediment Control
  - 2 separate permits, 40+ total disturbed acres
  - 100% DEQ Compliance
  - PlanGrid for issues tracking