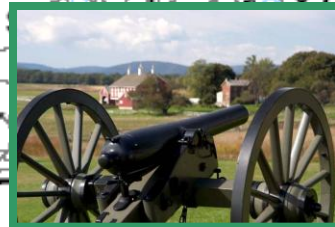
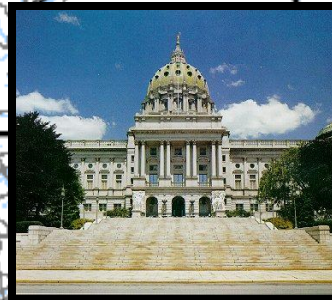


DISTRICT 8 ASHE PRESENTATION

APRIL 7, 2009



Design Build Update

A Review of District 8's Approach

Richard N. Roman, P.E.

Design Build Update

- Overview
- District Approach
- Design Build Phases
- Lessons Learned

Overview

- Efficient Project Delivery Tool
- One Entity for Engineering & Construction Services
- One-Step Low-Bid Process

Overview

- Shorter Project Durations
- Enhanced Design & Construction Relationships
- Reduce Construction Change Orders

District Approach

- Projects w/ Defined Scope
- District to Obtain CEE
- Consultant Assistance

District Approach

- Peer Review by D/B Team
- District Performs Owner Perspective Review
- Competitive Bids

District Approach

District 8 Design Build Projects - June 1, 2008 through December 31, 2009

| MPMS | PM | County | SR | Sec | Project Title | Class | Let Date | Design Build |
|-------|-----|----------|------|-----|---------------------------|-------|------------|-----------------------|
| 74120 | BST | Adams | 1007 | 12 | Braggtown Road Bridge | BRST | 6/12/2008 | Full D/B |
| 83529 | JMB | York | 83 | 054 | I-83 Codorus Creek Bridge | BRST | 8/28/2008 | Full D/B |
| 80718 | JMB | York | 83 | 053 | I-83 Lake Redman/PA-214 | BRST | 8/28/2008 | Full D/B |
| 81193 | MCL | Cumb. | 15 | 020 | US 15/PA 581 Contract #2 | HRCT | 11/6/2008 | Sound Walls |
| 63165 | LAM | Dauphin | 2039 | 002 | Fiddlers Elbow Bridge | BRST | 12/18/2008 | Utility |
| 84933 | DS | Lanc. | | | ADA Ramps Lanc City | GMNT | 2/12/2009 | Utility |
| 75364 | GFE | Dauphin | 8018 | 001 | Airport Ramps Bridge PM | BPRSF | 2/20/2009 | Railroad Coordination |
| 79697 | DEK | Franklin | 4004 | 009 | Horse Valley Road Brdg | HRST | 2/26/2009 | ROW and Utility |
| 64678 | DS | York | 1039 | 001 | I-83/Ebert's Lane | IMP | 2/26/2009 | ROW |
| 57649 | DS | York | 1033 | 004 | I-83/Sherman St. | IMP | 2/26/2009 | ROW |
| 81263 | DS | Franklin | 30 | 066 | Lincoln Highway | HRST | 3/5/2009 | Utility for ADA Ramps |
| 74121 | LAM | Adams | 2001 | 006 | Two Taverns Road Bridge | HRST | 3/5/2009 | ROW and Utility |
| 74270 | LAM | Cumb. | 3006 | 009 | Pine Road Bridge | HRST | 3/5/2009 | ROW and Utility |
| 58606 | SAM | Adams | 94 | 021 | Carlisle Pike Bridge | BRST | 3/26/2009 | Full D/B |
| 78980 | SAM | York | 3072 | 008 | Old Hanover Road Bridge 1 | BRST | 3/26/2009 | Full D/B |
| 80990 | SAM | Franklin | 3002 | 006 | Williamson Rd Bridge | BRST | 3/26/2009 | Full D/B |
| 78975 | SAM | York | 3072 | 009 | Old Hanover Rd Bridge 2 | BRST | 3/26/2009 | Full D/B |

Design-Build Phases

- D/B Project Phases
 - Final Design-Roadway & Structures
 - Utility Coordination & Clearance
 - ROW Design & Acquisition
 - MPT
 - Railroad Coordination
 - Waterway Permit

Lessons Learned

- Communication
- DB Submission Checklist
- Developing Special Provisions

Lessons Learned

- Construction Schedules
- Good First Round of DB Projects
- Constant Improvement

QUESTIONS

