I-75 Moderization
Innovation & Partnering
Overview

$125 Million Contract
$125 Million Contract
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$125 Million Contract

$76 Million Change Order
$76 Million Change Order
$76 Million Change Order
$76 Million Change Order

$4.25 Million in Incentives

Completed 1 Year Early

Do We Have Your Attention?

Over ½ Million Manhours
And Under Budget

Theme from 2001: A Space Odyssey (Also sprach Zarathustra), composed by Richard Strauss, performed by Herbert von Karajan/Vienna Philharmonic, 1968
Nuts & Bolts

- Contractor: kokosing CONSTRUCTION COMPANY INC.
- Designer of Record: HNTB
- Original Contract Value: $125,564,985
- Start Date: 10/8/2012
- Original Completion Date: 9/1/2017
- Reconstruction of 0.9 miles of Interstate
- 11 Structures
- 1 Combined Interchange
- Last Phase of the I-75 Corridor Modernization
The Big Picture

Phase 1A

Phase 1B

Phase 2
Key Improvements...

- Remove Left Hand Ramps
- Increase Ramp Spacing
- Create lane continuity through town
Areas of Work

- 1st/2nd St. Interchange
- 3rd Street
- 1227
- 1248
- 1250
- 1262
- 1267W
- 1267
- 1282
Innovative Contracting

Lump Sum Minus Incentive:
- $200,000 First Traffic Switch (All on NB)
- $400,000 Second Traffic Switch (All on SB)
- $400,000 Third Traffic Switch (Ramps Open)
- $250,000 Project Completion

No Excuse Incentive (NEI):
- $3,000,000 Project Completion 1 year early
Tipping the Scales . . .
Innovative Contracting

Value Engineering Change Proposals (VECP):

- Two VECP’s
- Redesigning 9 Structures
- Affected over $76 million in work
- Generated $2.6 million in shared savings
- Required modification to 404 USACE Permit
Innovative Contracting

Value Engineering Change Proposals (VECP):

- MOT-75-1248/1250/1267 went from steel to concrete beams
- MOT-75-1227 structure went from 8 spans to 6 spans
- MOT-75-1282 structure went from 13 spans to 10 spans
• USACE 404 Permit Modification
  • Adrienne Earley

• Re-establishment of OHWM
  • Adrienne Earley
  • Katie Dunlap

• Instream Work Restrictions
  • Megan Michael
Partnering Culture
Picking Your Team . . .

- Availability
- Expertise
- Experience
- Personality
- Temperament
- Previous Relationships
Partnering Culture

Singular Focus:

• All parties truly want the same thing

• The motivation can be different
Partnering Culture

Respect

Trust
Partnering Culture

Common

Good
Partnership Culture

How Did You Know It Was Working?
When it Rains . . .
Verification

Cores for Strength

Echo Impact for Delaminations
Mass Concrete Cap
Mass Concrete Cap Placement
Wrapped in Concrete Blankets
Rebar Challenges
Fabrication Challenges
Fabrication Challenges
Do the Right Thing . . .
How did we get there?
Creative Concrete Placements

- Multiple Spans at a Time
- Removed Longitudinal Joint
- Created +1500 CY continuous pours
Plant Tracking Map
MOT-75-1282R (North River Bridge):
• 1 lost time accident
What About the Goal . . .

Showcase Project

Completed 1 Year Early
Questions . . .