

E. Stadium Bridges Reconstruction Project

- A. Background
- B. Schedule
- C. Funding
- D. Questions (Project Design on Display)

A. Background

- Biannual Inspections, 13 Bridges, State Reporting, “Federal Sufficiency Rating (FSR)” 1-100
- Two Bridges at E. Stadium Blvd – 300 feet apart
- Bridge over State St: Built in 1917 (92 yrs), FSR 2 out of 100, Accelerated Degradation in 2008 – Rapid Decline in FSR, Functionally Obsolete, Structurally Deficient
- Bridge over Ann Arbor RR: Built in 1928 (81 yrs), FSR 61.5, Functionally Obsolete

A. Background

(Continued)

- Bridge Reconstruction Projects are funded by State/Federal Grants and Local Funds
- Broadway Bridges (2) - \$31M:
 - State/Federal Grants \$18,000,000
 - Construction: 95% Grants, 5% Local
 - Total: 58% Grants, 42% Local
- E. Stadium Bridges (2) – Est. \$22M:
 - 2006 State of Michigan Local Bridge Program - \$766,000 for the construction phase only

A. Background

(Continued)

- 2006: \$1,249,467 to Northwest Consultants Inc. (NCI), *Preliminary Design Engineering for Street Reconstruction, Bridge Replacement, Transmission Water Main, Storm Sewer, S. Main St Non-Motorized Path.*
- Since, Reduced Allowable Weight Limits - Multiple Times
- September and October 2008, Public Meetings for E. Stadium Bridges Improvement Project, including Improvements at Stadium Blvd and S Main St
- 2009: Observed Degradation in Beam No 5, Increased Inspection to Weekly, Reduced Traffic Lanes to Two, Prepared Emergency Traffic Control Plan for Bridge Closure

A. Background

(Continued)

- 2009: New Federal (Stimulus) Funds for Shovel-Ready Projects
- March 2009: Reduced Project Scope, Directed Consultants to Expedite the Design of the E. Stadium Bridges
- Northwest Consultants Inc. (NCI) \$1,249,467
 - ✓ 39.5% Design (\$493,000)
 - ✓ 7.6% Public Engagement/Project Coordination (\$95,000)
 - ✓ 7.4% S. Main St Non-Motorized Path (\$93,000)
 - ✓ 2.3% Plans for Emergency Repairs (\$29,000)
 - Total 56.8% Completed (\$710,000)

C. Project Funding

Preliminary Project Cost Estimate (000):

■ Design		\$2,200
• Engineering	1,950	
• ROW, Easements	250	
■ Construction		\$13,647
• S. State Bridge	1,931	
• AA RR Bridge	2,760	
• Retaining Walls	4,054	
• Approach Roadways	3,382	
• Utilities, Streets Lights, Etc.	1,120	
• DTE Overhead Line Relocation	400	
■ Construction Engineering/Inspection		\$3,412
• PM/Inspection	2,730	
• Material Testing	682	
■ Contingencies (15%)		\$2,889
■ Total		\$22,148

C. Project Funding

(continued)

State/Federal Grants:

- 2012 State of Michigan Local Bridge Program-Large Projects, June 2009 application, \$8M for 8 Projects
- 2009 Federal Highway Re-Authorization Bill, High Priority Projects - State's Representatives Support
- 2009 Supplemental Discretionary Grants for National Surface Transportation System-Transportation Investment Generating Economic Recovery (TIGER) \$1.5B

C. Project Funding

(\$22M)

Best Case Scenario:

- 2006 Street reconstruction Millage: Design \$2.0M
- State/Federal Grants \$22M
- Impacts:
 - ✓ No Change to the Street Reconstruction Program
 - ✓ Plan for 30+ Street Improvement Projects
 - ✓ Positive Fund Balance through FY 2012
 - ✓ Positive Fund Balance through FY 2016 – More Projects, with 2011 Street Reconstruction Millage

C. Project Funding

(22M)

Worst Case Scenario:

- State/Federal Grants: \$0
- 2006 Street reconstruction Millage: Design and Construction \$22M
- Impacts:
 - Eliminate 29 Street Resurfacing/Reconstruction projects beginning 2010 through 2012
 - \$3.5 M Est. Loss of Revenue – Surface Transportation Grants
 - Loss of other Potential State/Federal Grants without Local Matching Funds Undetermined
 - Faster Degradation Streets
 - Increase in Annual Street Maintenance Expenditures
 - ✓ Re-Start Street Reconstruction/Resurfacing Projects in 2013, if 2011 Street Reconstruction Millage Approved

D. Questions