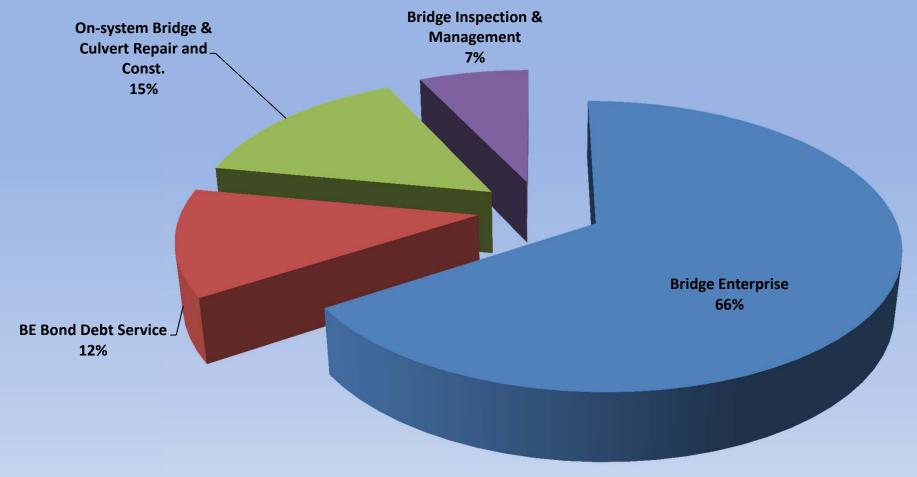
STAC Presentation Bridge Asset Management

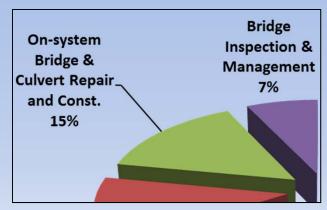
CDOT Bridge and Culvert Investment w/o RAMP funding



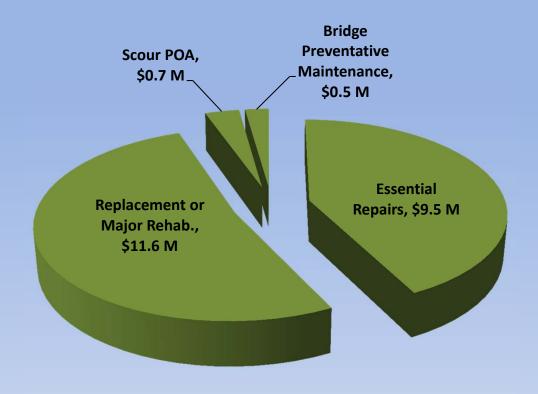


Current Bridge and Culvert Investment

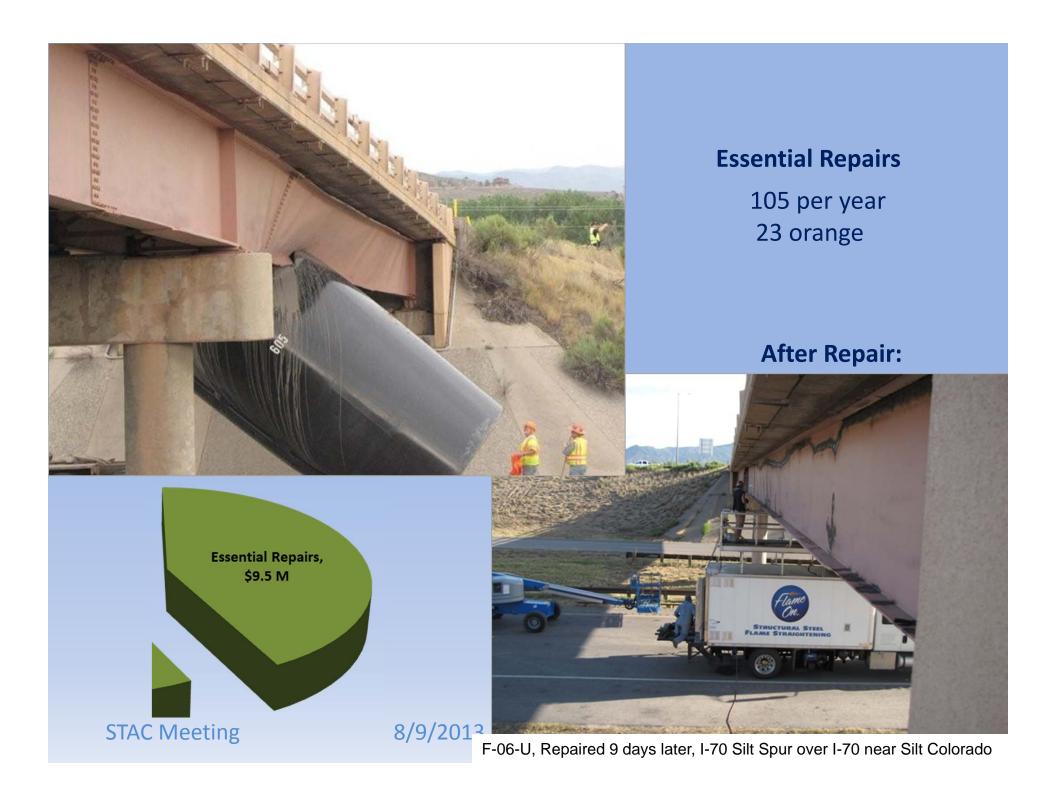
- Reactionary Based approach
 - Essential Repairs
 - Incidents
 - Overlays
- Proactive Measures
 - Scour Plan of Action (POA)
 - Bridge Preventative Maintenance
- Replacement or Major Rehabilitation



Investment Detail On-system Bridge & Culvert Repair & Const.







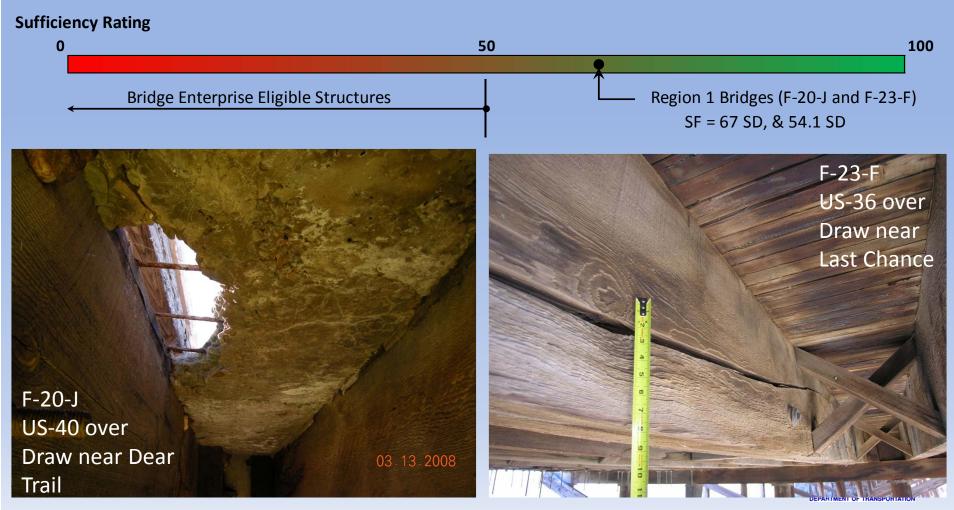
CDOT's Bridge Program & the Bridge Enterprise

Poor Bridges

Bridge Enterprise is currently addressing bridges in this category.

Fair Bridges

FHWA BR program was historically used to address this category.

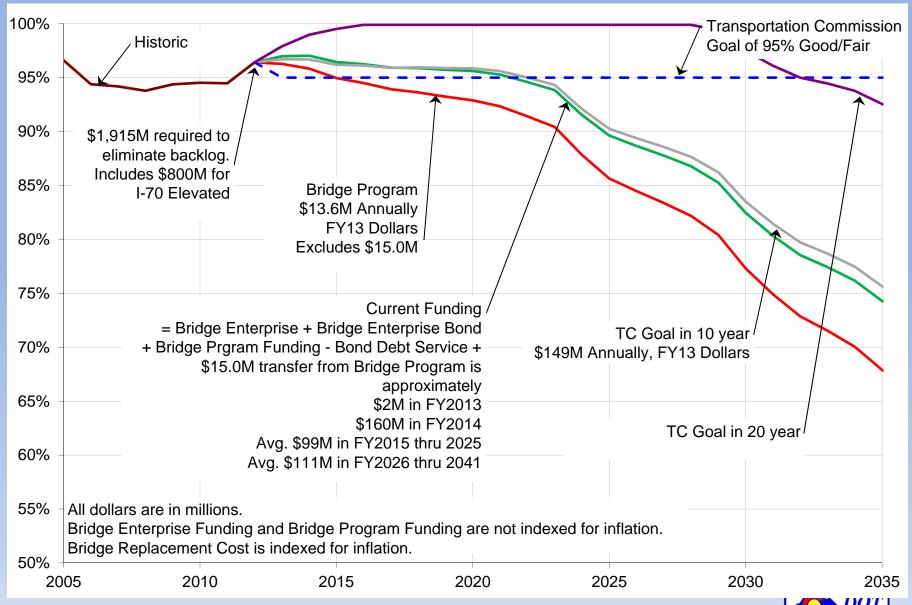


Asset Management

Laws, Directives and Metrics, Oh My!

- MAP-21
 - 10% Structurally Deficient
- Previous Metric/TC Goal 95% Good/Fair
- Some Good/Fair Bridges are also SD
- So we are currently 96% Good/Fair and 7% SD

A Very Familiar Chart...

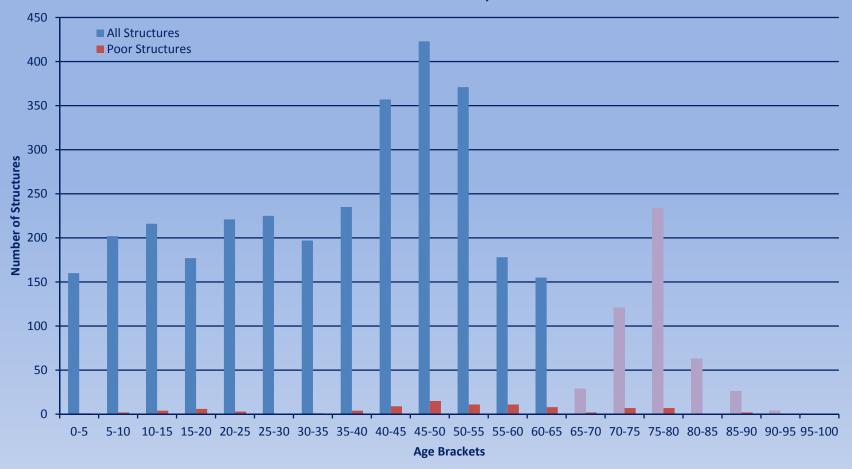


8/9/2013

STAFF BRIDGE BRANCH

Number of Structures by Age

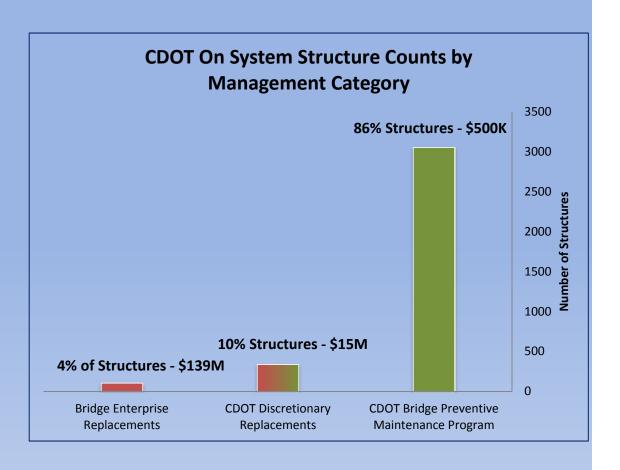
Current CDOT Inventory

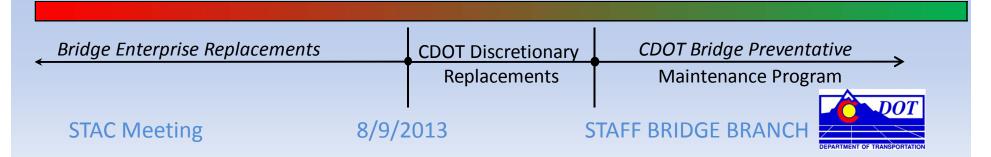


CDOT's Bridge Program & the Bridge Enterprise

Responsibilities:

- CBE
 - SR under 50
 - SD or FO
- CDOT Bridge Program
 - Preventative
 Maintenance
 - Discretionary Replacements
 - Load Restricted
 - Structurally Deficient





Preventative Maintenance Recommendations

Repairing, Replacing, or Removing Leaking Joints



E-17-FX, I-70 Viaduct Brighton Blvd and Colorado Blvd Year Built 1964 Broken and deteriorated joint at 54A (York Street) before repair.

	Number of Structures w/Leaking Joints	Backlog	Sustain
Statewide	952	\$11,000,000	\$1,200,000

Preventative Maintenance Recommendations

Waterproofing Decks



E-17-GV, Interstate 76 over York Street

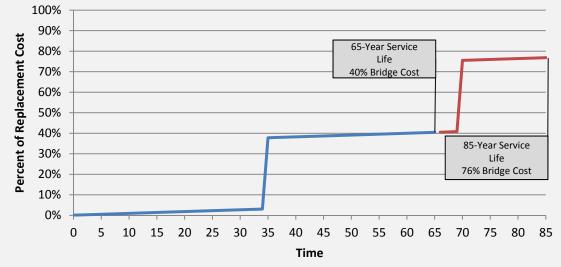
Year Built: 1967

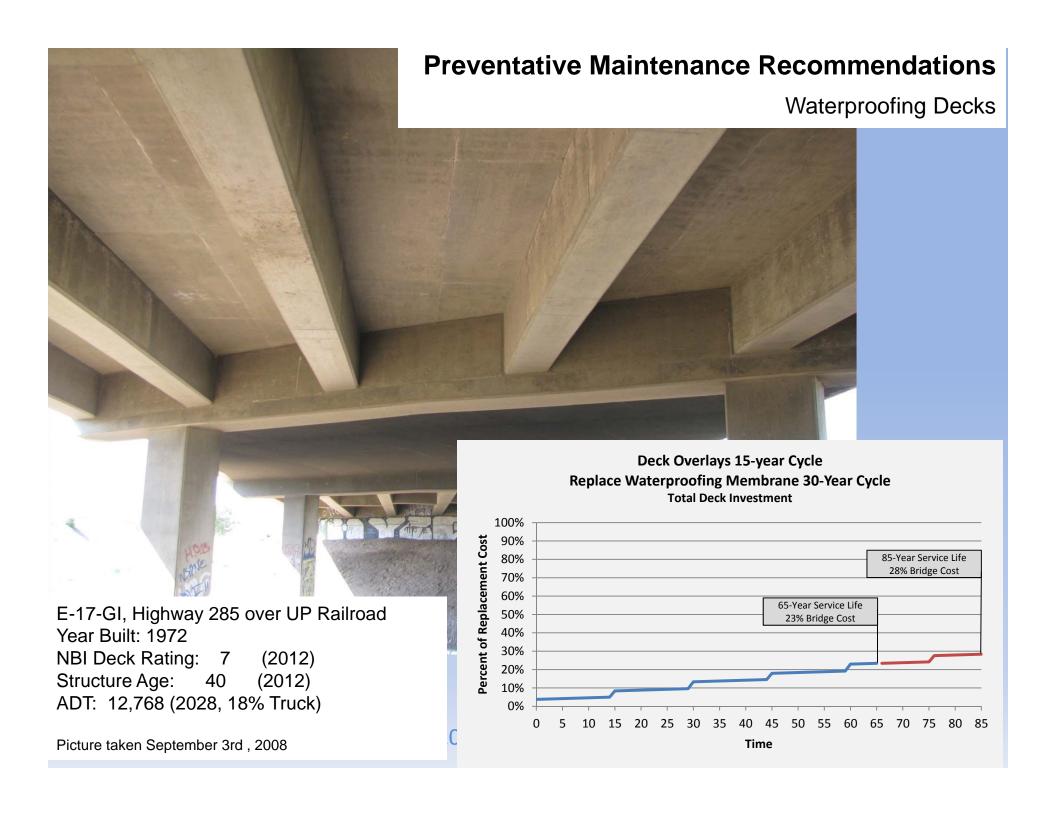
Deck Rehabilitation 2005

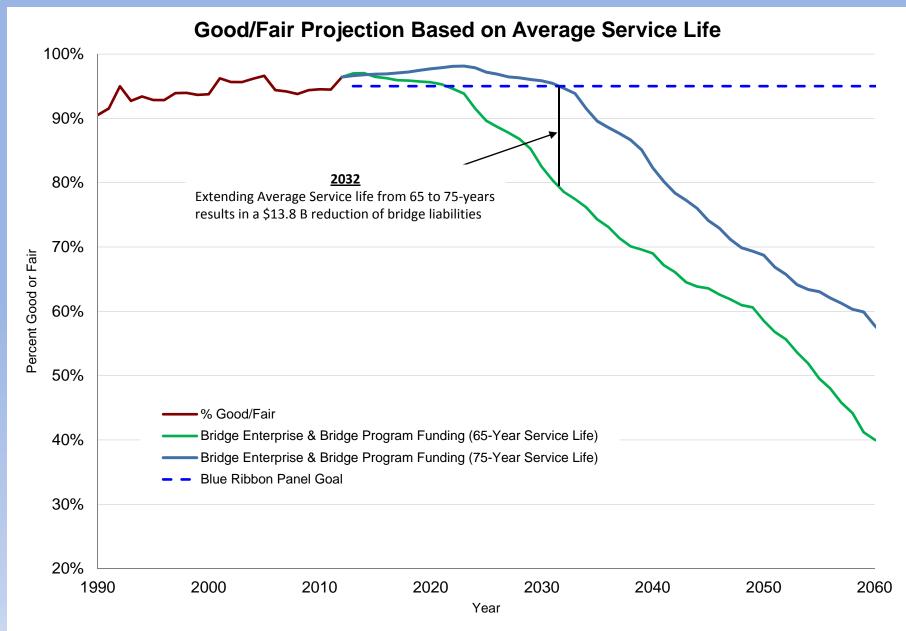
ADT: 34,821 (2027, 17% Truck) NBI Deck Rating: 3 (1986) Structure Age: 19 (1986)

Pictures taken June 13th, 2005

Regular Maintenance and 35-year Deck Replacement Total Deck Investment







Total Joint and Deck Preservation Investment (2013 Dollars)

