



ABC – A Change in Emphasis





History of ABC in Oregon

- **Long history of projects**
 - **1973 – Fremont Bridge (vertical jacking)**
 - **1997 – Imnaha Bridge (lateral slide)**
 - **1997 – I-5 Interstate Bridge (trunnion replacement)**
 - **2002 – OR26 Mill Creek Bridge (deck replacement)**

- **Ben Tang comes to ODOT in 2008**

- **ABC Section added to the BDDM in 2009**



Revised BDM Language:

- Previous language:

“Use of any of these methods are encouraged and supported by ODOT **whenever it is efficient and cost effective.**”

- New language:

“Use of any of these methods are encouraged and supported by ODOT.”

Aggressive consideration of user costs to support ABC construction methods is encouraged.



New BDM Language:

“Construction activity results in delays to the public and incurs additional financial burdens on the people who must contend with the effects. This essentially results in a temporary tax on the affected neighborhood. Because of this, consider ABC methods even when it does not result in the lowest overall construction cost. Designers are encouraged to consider traffic delay costs and other user costs associated with a project to support stronger consideration of ABC methods.”



ABC Decision Process

- Generally, project teams make the decision
- Upper management supports ABC
- Bridge Section pledges support
- Share your success stories!



What do we hope to get out of today?

- Gain more familiarity with the ABC Toolkit

- Better understanding of costs
 - *Estimating construction costs*
 - *Estimating user costs*

- Better understanding of contractor/fabricator issues

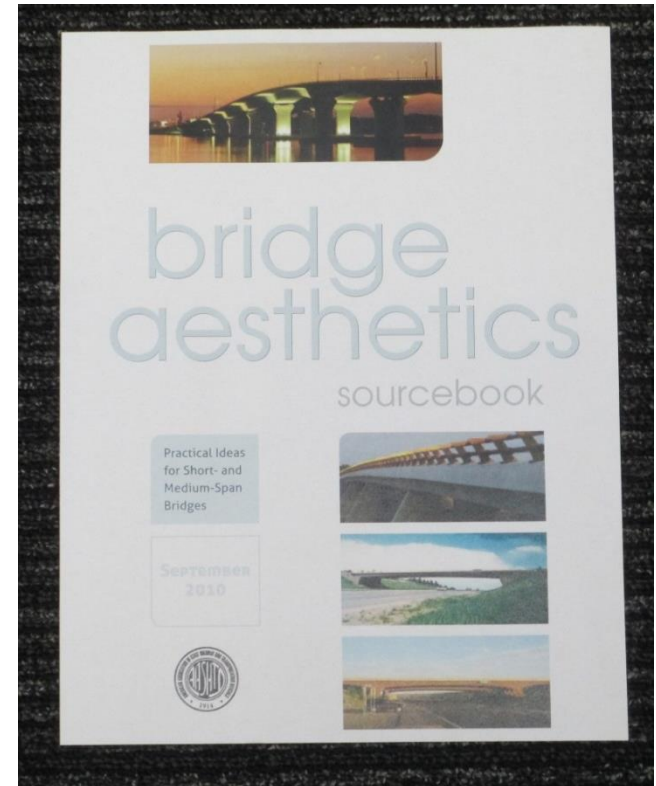
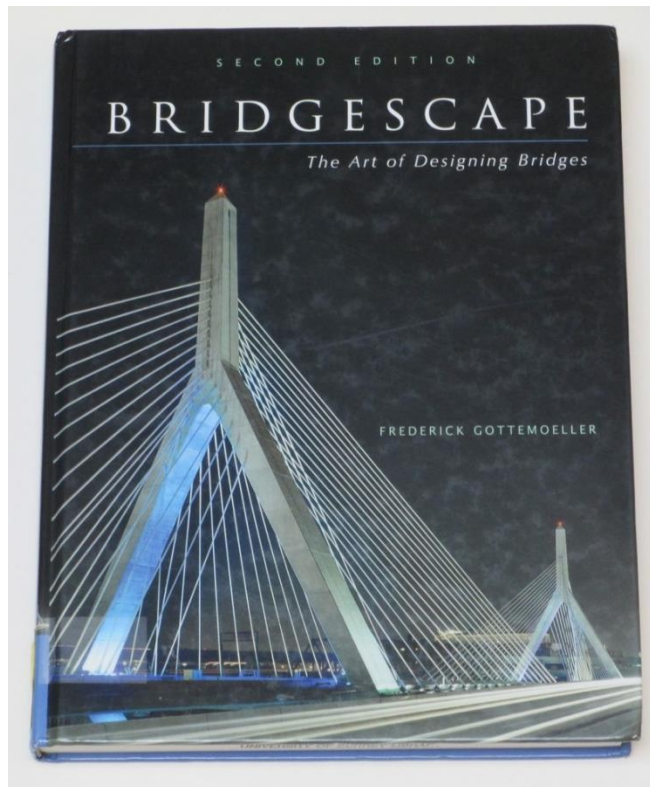
- Lessons from other states

- Potential BDM Improvements



Don't neglect aesthetics!

“Do something about our bridge aesthetics!”
2017 – Tom Lauer





AASHTO Bridge Aesthetics Sourcebook:

“For the same reason we would not build a bridge that is unsafe, we should not build one that is ugly. To ignore aesthetics is irresponsible.”

Pg 5, AASHTO Bridge Aesthetics Sourcebook

Purpose of Sourcebook: *“... guidelines for improving the appearance of short- to medium-span bridges.”*

“... Often referred to as ‘workhorse’ bridges.”

Pg 2, AASHTO Bridge Aesthetics Sourcebook



Sherars Bridge
Deschutes River
BR # 00939A
Built 1979



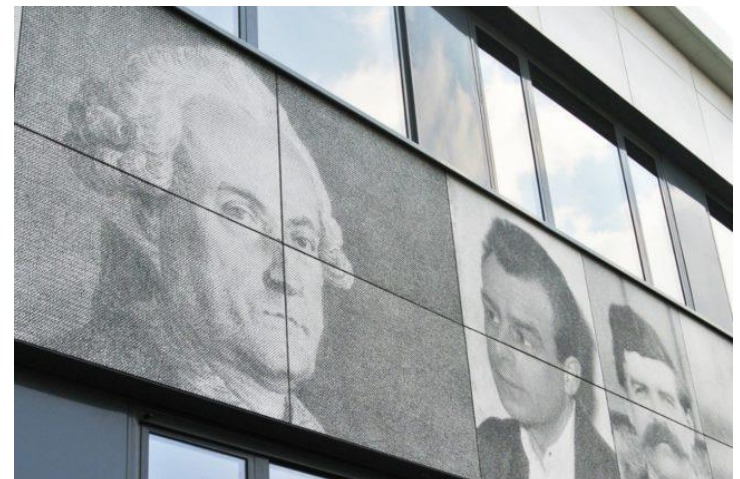
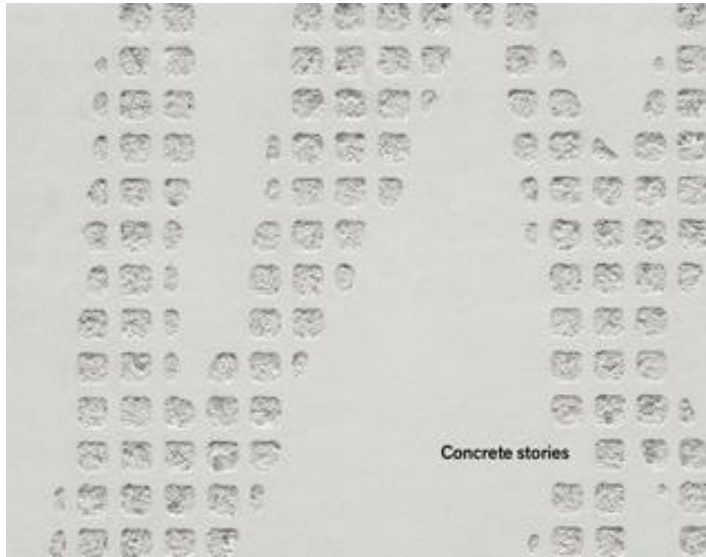


Del Rio Rd over Hwy 1
Winchester
BR # 20571
Built 2012





Graphic Concrete ?





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