Designing and Managing Complex Urban Streamway Projects with Multiple Objectives

Presented by Chad Johnson, PE, CFM
WHAT IS “SUCCESS”?

- The accomplishment of an aim or purpose (www.google.com)
- The fact of getting or achieving wealth, respect, or fame (Merriam Webster)
- Continued expansion of happiness and the progressive realization of worthy goals (Deepak Chopra)
- 1% inspiration, 99% perspiration (Thomas Edison)
- A dandelion?
Dandelion – Success?
WHO IS A “STAKEHOLDER”?

• Person with an interest or concern in something (www.google.com)
• Land owner, resident, neighbor
• Person or container holding meat (Anonymous)
• Funding source, government staff, regulator
• Utility company or other co-located user
Combining Engineering Design and Public Perceptions

• We all know that water flows downhill, except when it doesn’t.

• There is a correlation between cost and level of service.

• Both need to be addressed, facts are best.
Monitor Square Drainage Improvements
(Overland Park, KS)

- 13 flooding homes removed from floodplain
- Street protection
- New bridge crossing
- Over 1,700 linear feet channel improved
Two Projects, Two Outcomes, Two Successes

South Creek Channel Restoration
(Springfield, MO)

• **Improve Water Quality** in stream for macro invertebrates
• Provide **enhanced** public outreach
• Remove approximately 1 mile of concrete channel lining
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Keys to Success

• Clear Measures of Success
• Comprehensive, Fact Based Design
• Picture the Project to sell the Public
• Persistance
"Failure is only the opportunity to more intelligently begin again."

-Henry Ford