

# PROJECT REVIEWS, FINAL FILE REVIEW, TSC REVIEW

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# 80/20 – 20/80 Rule

- 20% of projects take 80% of the time
- 80% time = Tension, \$\$\$\$ , Fed \$ risk



# Design – Find Problems, Save \$

- (Sub)urban projects
  - ADA & tie-ins, cross slopes and crown points



# Design – Find Problems, Save \$

- Consider borings, storm sewer cleanout and video
- Utilities





# Design – Stream Crossings

- Geotechnical Issues



# Design – Stream Crossings

- Details





# Design – Stream Crossings

- Environmental





# Consider:

- Technical qualifications proposal plus cost?
- Field review during design
- Schedule
- Lets talk



# Construction: Stuff Happens

All that can, will go wrong (for me).



# Inspection

- Good Inspector = Better Job
- Don't be taken advantage of by a contractor.
- Make sure the inspector knows what they are doing.



# HMA

- On site documentation with a qualified inspector is a must.
- Preproduction meeting and QC/QA is critical





# HMA (continued)

- HMA is unforgiving. Overrun = \$\$\$\$.
- Everyone sees it.



# Concrete

- A prepour meeting, QC/QA and following various IMs, CAs as well as the specs are critical.





# Geotechnical

- The checklists/forms help ensure what you are getting as well as documenting work.





# Pavement Markings



# Force Accounts

- Use and document spec materials.





# Final Record Reviews

- E-signatures
- Lists of commonly missed items are available.
- The closeout process.(IM 2011-04)
- Project Closeout (IM 2013-08)