

# **Where do we go from here?**



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*Leif G. Wathne, P.E.*

*American Concrete Pavement Association*

# Where do we go from here...?



*Prediction is very difficult...  
especially about the future.*

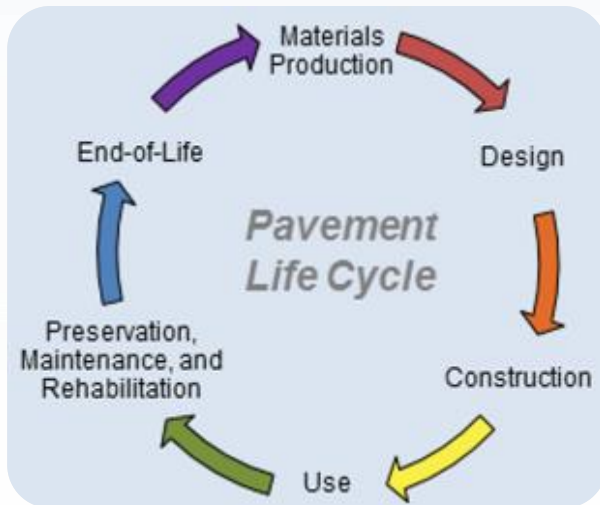
*Niels Bohr (S. Peterson)*

# Life Cycle Thinking...

- Committed to LCT in all aspects of decision-making
- Responsibility to embrace as honestly/completely
- Arm agencies with best possible information on which to base decisions...
- LCA is another tool to help us make informed decisions



# Sustainability – Concrete Paving Industry



- Committed to enhancing overall sustainability – TBL
  - Optimizing design (ME Design), mixtures (PEM), construction (equipment/process improvements)
- Embracing and leveraging competition to help spur and accelerate innovation.

# Where do we go from here...?

- Refine and improve tools to enhance their utility...
- Note: Can't afford to wait with implementation... I.E. *Don't let perfection stand in the way of progress...*
- Employ uncertainty principles
- Focus on most important/ relevant factors (*Kirchain*)

*No decision  
is still a decision.*

# How do we do this?



- Advancement is contingent on innovation
- Measurement only gets you so far... (*Toller*)
- Meaningful gains only realized though innovation...
- Hinge on challenging and incentivizing industry

# How do we do this? [cont.]



- Fully marshal and leverage expertise, knowhow and innovative spirit of paving industries w/ competition.
  - Incremental improvements...
  - Performance specifications?
  - Target reductions?
  - Incentives?
- Opportunity for all of us.



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**IT'LL BE FUN TO SEE WHERE WE GO FROM HERE!**