

AGENDA
ACI SUBCOMMITTEE 130C – STRUCTURES IN SERVICE

ACI Spring 2010 Convention
Chicago, IL

Tuesday, March 23, 2010 10 to 11 am – Ohio
Meeting #2

1. Call to Order
2. Self-Introductions and Membership Update
3. Approval of Agenda
4. DEVELOP AN OUTLINE!
5. Next Meetings
 - a. Teleconference options
 - b. Featured presentation
6. Other Meetings of Interest
7. Adjournment

POTENTIAL OUTLINE TOPICS

1. Durability
 - a. Longevity
 - i. Long service life of materials and systems
 - ii. Deterioration: Corrosion, AAR, Freeze-thaw, Erosion, etc.
 - b. Catastrophic event resistance (fire, earthquake, termite, blast resistance)
 - c. Recyclability
 - d. Adaptive re-use
 - e. Maintenance/repair/rehabilitation straight-forward.
2. LCCA: cradle to grave, cradle to cradle, service life prediction with costs
3. Historic Preservation/Cultural Significance
 - a. Tourism
 - b. Local employment and materials sourcing
4. Relevant Rating Systems
 - a. 2009 LEED, SSc2--Development Density & Community Connectivity: 5 pts
5. Beneficial/detrimental service aspects
 - a. Thermal
 - i. Heat island effect
 - ii. Passive solar design
 - b. Carbonation and carbon dioxide uptake
 - c. Embodied Energy
 - d. Energy Efficiency
 - e. Existing portfolio of structures is large; with new construction slowed globally.
 - i. Proportionately larger impact if structures in services managed better.
 - f. Reducing demolition of structures, reduces non-municipal, solid waste.