Creating Value ...



Delivering Solutions 2D Thinking with 1D Models: An Overview of Delaware County, IA Hydraulic Modeling and the Resulting Floodplain Anna Culcasi, PE, CFM



Baker Presentation Overview

- Overview of area
- Standard urban complexities
- Overflow areas and lateral weirs
- Comparison of results

Baker Overview of Area



Baker Standard Urban Complexities

- Detention basins accounted for in hydrology
- Streams and rivers go underground
- Many small culverts and bridges to model
- Manning's "n" for urban areas calculation

Baker Standard Urban Complexities



Bob helps Vivian with her surveying hobby.

Baker Culvert Bypass



Baker Lateral weir



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Lateral weir for overflow areas



Baker Lateral weir for overflow areas



Lateral Weirs for overflow areas

Baker



Lateral weir for overflow areas

Baker



Baker Lateral weir for overflow areas



Lateral Weirs for overflow areas

Baker



Baker Comparing the Results



Dale responds to the technological age with a little something from the medieval age.

Baker Comparing the results



Baker Comparing the results



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Questions?

