OGE ITEMS OF NOTE

Christopher Merklin, Administrator, Office of Geotechnical Engineering
OGE ITEMS OF NOTE

○ Research Completed
  ○ Validation and Calibration of Finite Element Modeling of Forces in Wingwalls; E.L. Robinson Engineering and Ohio University (3/1/18)
    ○ Stresses from Environmental loads greatly exceed other loads
    ○ Interaction between superstructure and substructure due to Environmental loads not well understood
    ○ Stresses well below AASHTO permissible design values and below design stresses
OGE ITEMS OF NOTE

- Research In Progress
  - *Understanding the Soil Plugging Mechanism in LDOEPP*; Case Western Reserve University (6/1/18)
    - Analyze Restrike Data and Load Tests
    - Understand Setup Behavior
    - Formulate Pile Setup Prediction
OGE ITEMS OF NOTE

- Research On Call
  - Prefabricated Modular Retaining Wall Systems - Supplemental Specification; E.L. Robinson Engineering (October 31, 2018)
    - Synthesis of Systems and Specifications
    - Consistent with SS840
    - Build Approved Product’s List from these requirements
OGE ITEMS OF NOTE

- **Emergency Relief**
  - Governor Kasich declared an Emergency Event for February 12, 2018
  - 139 sites in 6 Districts, 39 Counties
  - 101 sites in Districts 10 and 11, combined
  - $92 Million ($16 Million not covered) total
  - $11 Million Single highest site (WAS-83)

- 6 Events since 2015; 7 Events from 2004-2015
OGE ITEMS OF NOTE

50 DAY RAINFALL
% OF NORMAL RAIN

- Kenton: 263%
- Marion: 273%
- Delaware: 298%
- Bucyrus: 249%
- Mount Vernon: 234%
- Coshocton: 252%
- Newark: 228%
- Zanesville: 184%
- Cambridge: 216%
- London: 229%
- Chillicothe: 256%
- Logan: 251%
- Athens: 280%
- Circleville: 198%
- Lancaster: 213%
- McConnelsville: 229%
OGE ITEMS OF NOTE

From Ottawa County...

...To Washington County
OGE ITEMS OF NOTE

- Proposals
  - No Comments from Consultant Services
  - Use the Fee Guidance
  - Pay attention to Boring Sealing Requirements
  - Use Historic Data, or acknowledge it doesn’t exist
  - Lab rates to be adjusted July 2019 based on Rate of Inflation (CPI)
OGE ITEMS OF NOTE

- Retaining Wall Inventory
  - User’s Group Acceptance Testing This Month
  - Complete Inventory Within 3 Years
  - Data to be Available in TIMS
  - Not a Rating System