**Estimating Methods**

* **Planning Estimates**
  + **Where does you agency perform planning/budget estimates?**
  + **What methods are used (cost based, bid based, independent cost estimates, cost per mile, other)**
  + **Software used**
  + **How are they updated?**
  + **How are contingencies, risk, inflation, applied and managed?**
  + **Does your agency have measures or goals for planning estimates compared to bid or final construction costs?**
* **Bid - Based Estimating**
  + **What methods does your state use for developing, tracking documenting historic bid prices (Trns\*port software, Oman Systems, spreadsheets, etc)**
  + **What is basis for development of bid histories (1 yr, 2 yr, Low bid only, low 2 bids, all bids?)**
  + **What percentage of all estimates is bid-based? And what determines this percentage (project type, size, etc)**
  + **Are individual projects estimated using more than one method**
  + **How are market trends accounted for?**
* **Cost Based estimating**
  + **What methods does your state use for developing, tracking documenting cost sheets (Trns\*port software, Oman Systems, spreadsheets, etc)**
  + **What is basis for development of cost sheets**
  + **How do you manage inputs to cost sheets(labor rates, equipment rates, production rates, material costs)**
  + **What percentage of all estimates are cost based? And what determines this percentage (project type, size, etc)**
  + **Are individual projects estimated using more than one method**
  + **How are market trends accounted for?**

Note; The questions and discussion points are used as a starting point. Please feel free to include other relevant points for your participation.