**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.