Continuous Design Consultant Responsibilities:
Collaborate with Contractor for Innovative Designs, Assist with Risk Management, Support Constructability Analysis, Evaluate Contractor Alternatives

**Preliminary Design**
- 35% Design Development
- Cost Model Review Meeting
- FIR Meeting

**ICE Estimate**
- 60% Plans and Specs
- Quantities Estimate

**FOR Design Submittal**
- 90% Plans and Specs
- Quantities Estimate
- Final Design Reports

**ICE Estimate**
- Plans and Specs

**Partnering Workshop**
- Project Scoping Workshop

**Value Engineering Workshop**
- Update Risk Register

**Constructability Report**
- Update Schedule

**RM**
- Risk Management Meeting
- Cost Estimate Review Meeting

**OPCC** - Opinion of Probable Construction Cost
- FIR - Field Inspection Review
- FOR - Final

1. The Risk Management Meeting includes the Design Consultant, Contractor, ICE, and ARRC. The purpose of the meeting is to review project risks and associated costs, mitigation plans, identify the responsible party to manage the risk, and establish risk pools.
2. The Cost Estimate Review Meeting includes the Design Consultant, Contractor, ICE, and ARRC. The purpose is to review pricing assumptions, review quantities, and reconcile pricing differences.
3. The Risk Management Meeting and Cost Estimate Meeting may be combined, particularly in later OPCC submittals where most project risks have already been identified.
4. This flowchart shows three typical OPCC submittals. At the option of ARRC, OPCC submittals may occur independently from FIR and FOR design submittals. More OPCC’s may be required if the Contractor Estimate and ICE Estimate are not within an acceptable percentage.

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**Pre-Construction Phase Flowchart**
(Design Development to GMP Proposal)

**Notes:**
- Process Steps Outlined in RFQ under workflow narrative.

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**Continuous Contractor Responsibilities:**