ALTERNATIVE CONSTRUCTION CONTRACTING METHODS



MICHAEL Y. ERETI CAPITAL PROJECTS





Current Approach

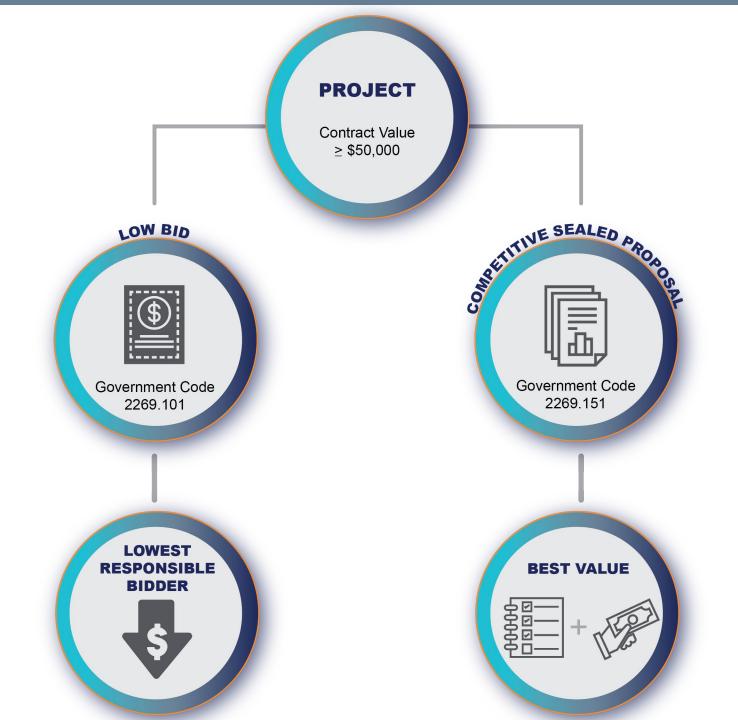
- **Contracting and Delivery Methods**
- **Proposed Project Delivery Method Selection Process**
- **Next Steps/Recommendations**



CURRENT APPROACH

Contracting Governing Rules







TYPES OF CAPITAL PROJECTS

Project Type	2017	2018	2019	2020 YTD
Low Bid	95	75	93	33
Competitive Sealed Proposal	0	4	8	2
Total	95	79	101	35



PROFILE OF CAPITAL PROJECTS

Project Profiles	Minimum	Average	Maximum
Low Bid	\$1.3 million	\$10.9 million	\$34.3 million
Competitive Sealed Proposal	\$5.6 million	\$26.5 million	\$39.0 million

SAMPLE PROJECTS

66-Inch Water Line Rehabilitation at US-59 and Beltway 8 Low Bid \$1,276,146

108-Inch Water Line from Aldine Westfield Road to Willis Street Competitive Sealed Proposal \$31,017,665



CONTINGENCY





What is it?

- amount of money set aside to cover unexpected costs
- reserved, not allocated to any specific area of work
- acts as insurance against unforeseen costs
- used at direction of the City





How is it Set?

- level of design detail determines the rate
- industry standard is 5% 10% of bid price
- Houston Public Works uses 5% of bid price for capital projects
- contingency is not disclosed at the time of bid



CONTINGENCY

Who Owns It?

- controlled exclusively by the City
- not included in the construction contract
- expenditures documented in the form of change orders
- costs that exceed the contingency must be approved by Council



CONTINGENCY

What Happens to the Unused Contingency?

per City ordinance

"In the event there are unspent funds remaining in the Construction Appropriation (including Contingency) after construction and closeout of the project, such unspent funds are appropriated for CIP Cost Recovery relating to construction of facilities financed by the fund described in the title"

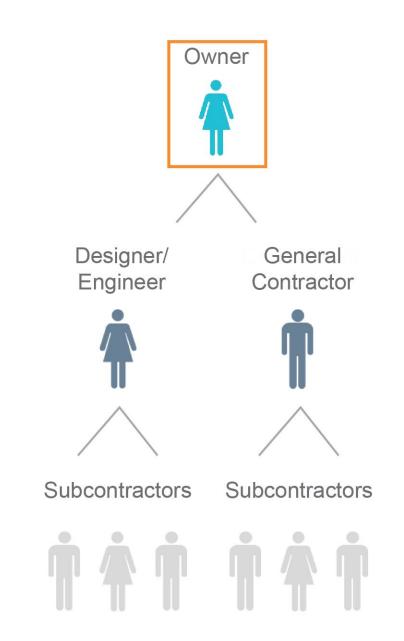


CONTRACTING DELIVERY METHODS



1 DESIGN-BID-BUILD

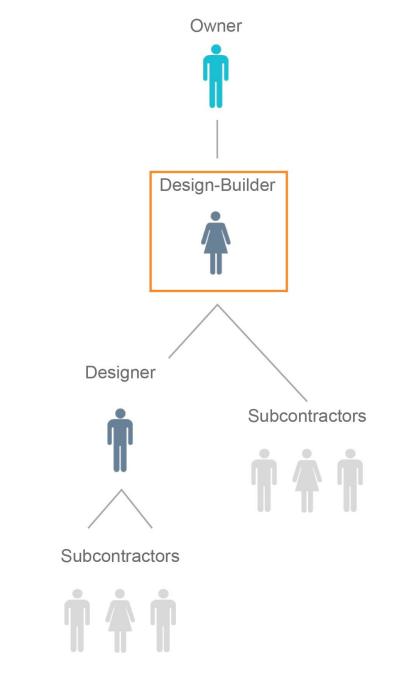
- agency designs, or retains a designer to furnish complete design services
- awards a separate construction contract based on the designer's completed construction documents
- majority of City of Houston projects





2 DESIGN-BUILD

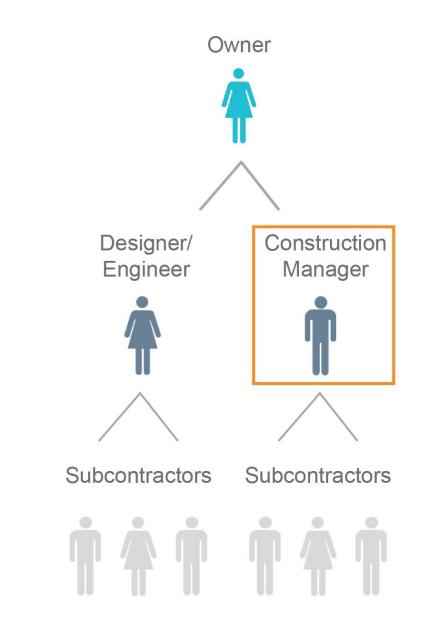
- agency procures both design and construction services in the same contract from a single, legal entity referred to as the design-builder
- project examples:
 - Northeast Purification Plant Improvement
 - Houston Intelligent Transportation System (HITS)





3 CONSTRUCTION MANAGER AT RISK

- agency contracts separately with a designer and a construction manager.
- construction manager is selected to perform construction management services and construction works

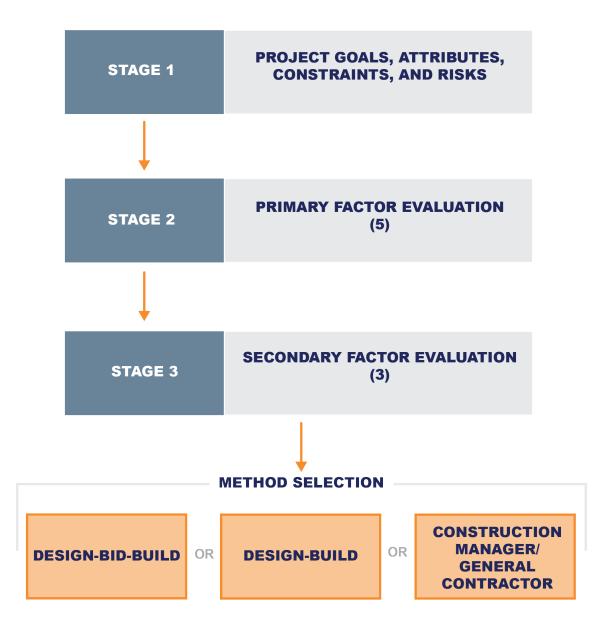




PROPOSED PROJECT DELIVERY METHOD SELECTION PROCESS



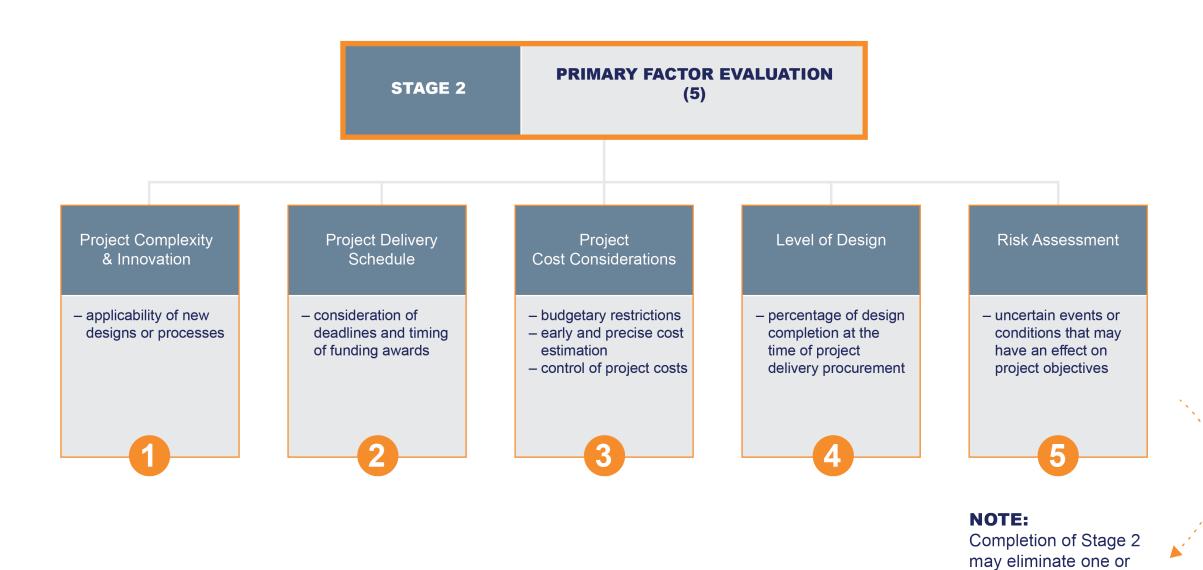
3 STAGE PROCESS





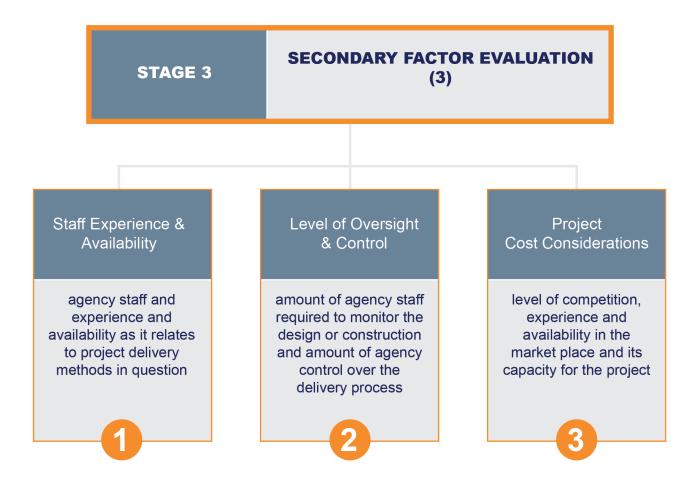








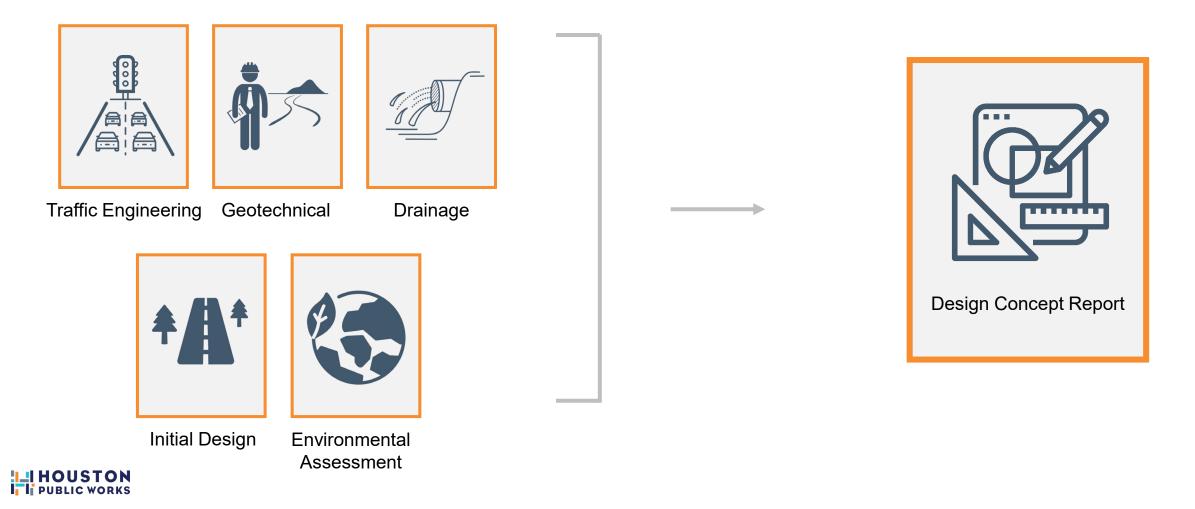
more delivery methods







Include Project Delivery Method Selection in the following Reports:



NEXT STEPS/RECOMMENDATIONS



NEXT STEPS/RECOMMENDATIONS

Prequalification to Contractors

- similar to professional services (HPW 100)
- streamline redundant forms on a yearly basis
- financial, legal, safety, environmental statements

Project Delivery Method Selection in Planning Stage



thank you!

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