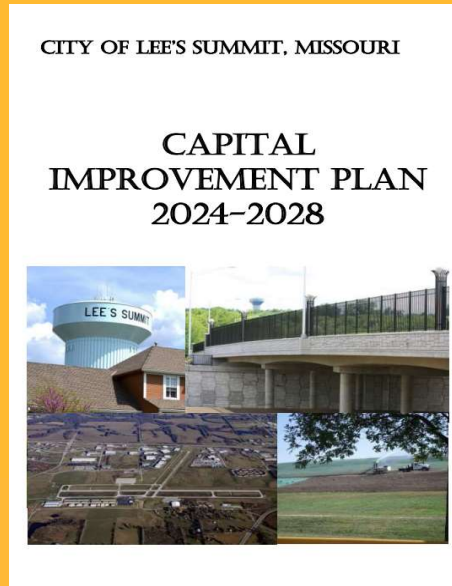


# Project Delivery Methods



April 8, 2024

Public Works Committee Meeting

Michael Park, PE, PTOE

Director of Public Works

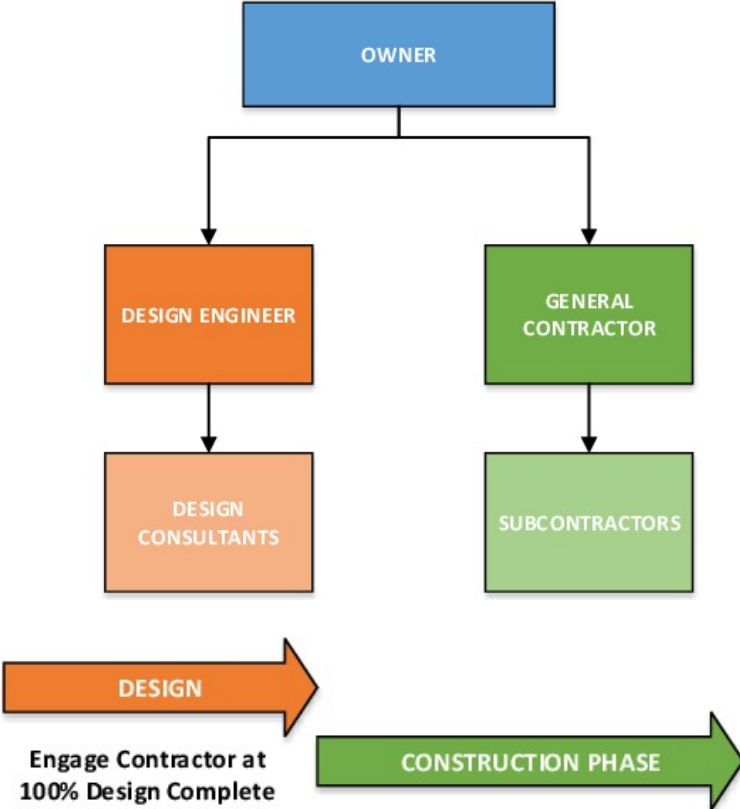
*Yours Truly*

# Agenda

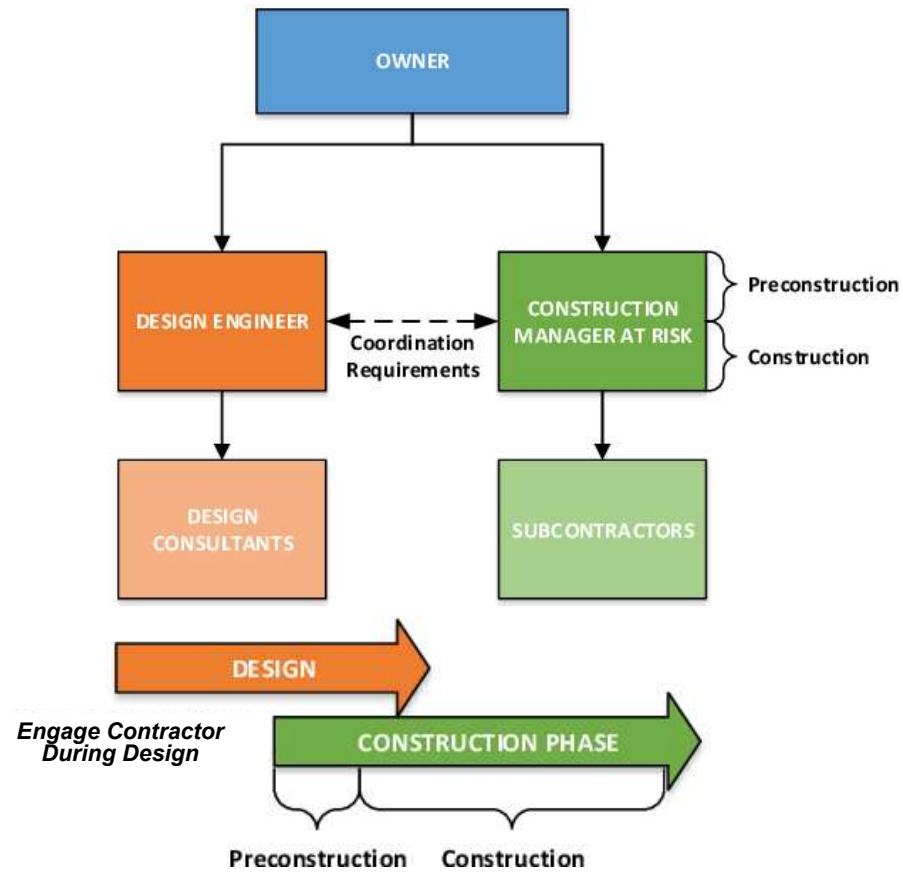
- ❖ Design-Bid-Build (DBB)
- ❖ Construction Manager at Risk (CMAR)
- ❖ Design-Build (DB)
- ❖ Comparisons & Selection Factors
- ❖ Examples



# Design-Bid-Build

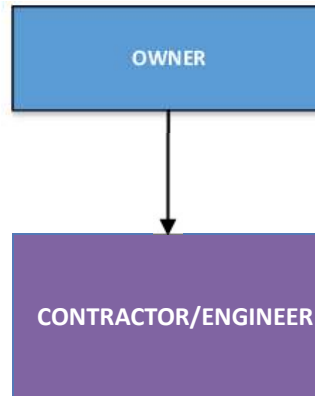


# Construction Manager at Risk



*\*Integrated*

# Design-Build



*\*Integrated*

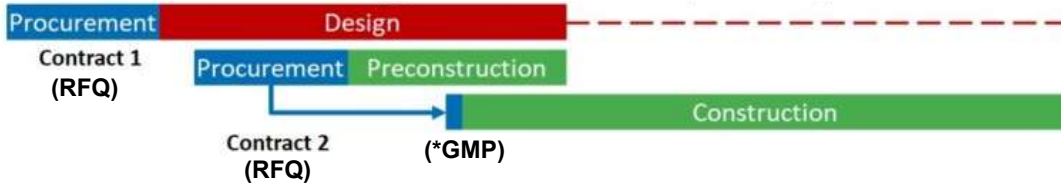
# Comparison



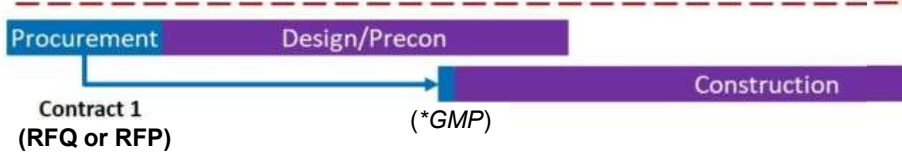
## Design Bid Build (DBB)



## Construction Manager at Risk (CMAR)



## Design Build (or Progressive Design Build)

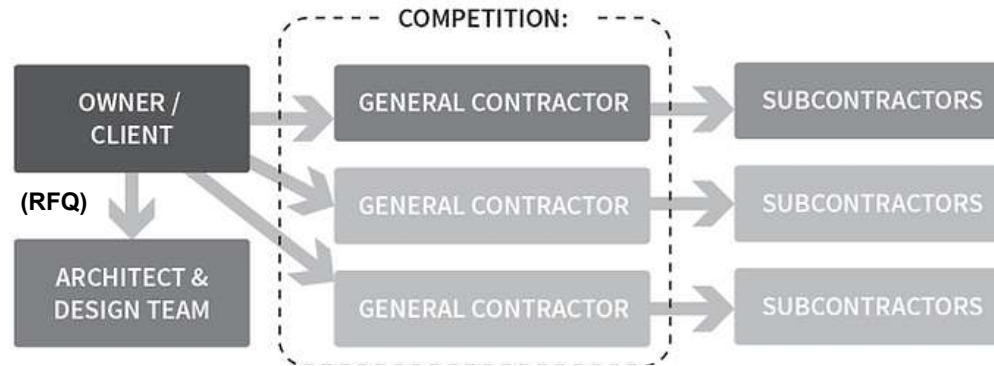


\*GMP (Guaranteed Maximum Price)  
 General Contractor Solicits  
 Subcontractors BID

RFQ (Request for Qualifications)  
 Owner Administers Competitive  
 Selection Process

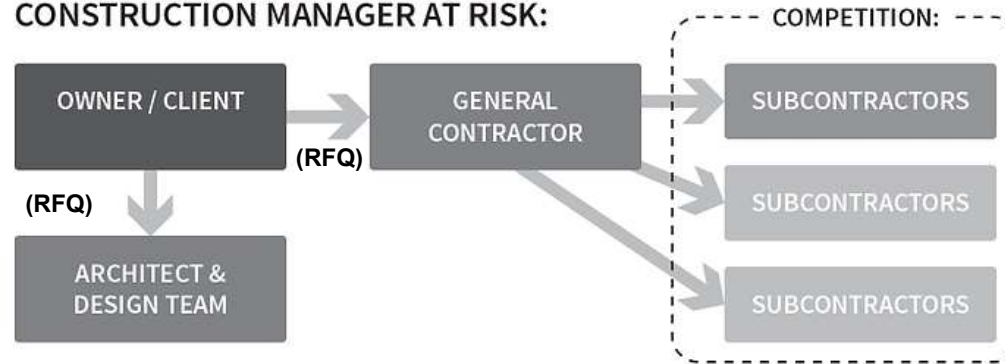
# Comparison

## DESIGN-BID-BUILD:



**Request for  
Qualifications (RFQ)  
A competitive  
selection process**

## CONSTRUCTION MANAGER AT RISK:



# Selection Factors

*TIME – CONTROL – RESPONSIBILTY – RISK – COMPLEXITY – SCOPE*

## ❖ DBB

- ❖ Process Familiarity/Traditional
- ❖ Horizontal Projects
- ❖ Property Acquisitions
- ❖ Utility Relocations
- ❖ Environmental Clearances/Issues
- ❖ Transparency
- ❖ Alternatives Analysis

## ❖ CMAR

- ❖ Time Sensitivities
- ❖ Vertical/Facility Projects
- ❖ Variety & Multitude of Components
- ❖ Measurements/Quantities of Risk

## ❖ DB

- ❖ Huge Infrastructure or Facility Projects
- ❖ Significant Construction Coordination
- ❖ Overly Simple Projects
- ❖ Expedience
- ❖ Full Responsibility
- ❖ “Turn Key”





## Examples

- ❖ Colbern Road (DBB)
- ❖ 3<sup>rd</sup> Street (DBB)
- ❖ Storm Water Improvements (DBB)
- ❖ Hanger 2 (DBB)
- ❖ Joint Operations Facility (CMAR)
- ❖ Fire Station #1 (CMAR)
- ❖ Police Substation (DB)

## Discussion & Questions

Michael Park, PE, PTOE

Director of Public Works

[Michael.park@cityofls.net](mailto:Michael.park@cityofls.net)

816.969.1800



*Yours Truly*