



Kansas SRF Design Build Experience 2021 CIFA SRF Workshop | September 29, 2021





Guaranteed Maximum Price Basics



- Contract with a firm to design and construct a project for a set price.
- More than one path!
- Basic preliminary engineering defined parameters
- Municipality motivated to be more involved
- Evaluation plan for candidates





Guaranteed Maximum Price Basics Continued

- Pick a design build team(s)
 - Design firm lead
 - Construction contractor firm lead
 - Joint venture
- Usually 2 phase/contract process
 - Preliminary design to establish price (30% design)
 - Construction and final design







In The Beginning - Fear

- Consultants and contractors were circumventing regulatory requirements
- "No bid" construction contracts
- Municipality not understanding what they are getting into
- DW and CW regulatory review processes were different







Design Build Guideline Elements



- DB interest in 2002 inspired guidance development
 - Preliminary engineering report to define scope of project
 - Program manager requirement professional engineer not on the DB team
 - Can use RFQ or RFP selection process
 - Attorney certification that procurement procedure is not in violation with state laws or local ordinances
 - Requires SRF approval of D/B and Program Manager contracts.





Best Management Practices

- Communication is key
 - SRF & permitting
 - SRF, permitting, municipality, & DB Team
- Design memorandum should be reviewed prior to phase 2 execution
- Understand flow of the project from the contract
- Know when construction starts and what kind
- Determine how many design submittals to review up front









Leavenworth Water Works Board



- WTP rehabilitation at 2 different plants
- Time was a major concern
- 30%, 60%, 90%, 100% plan and specification submittals
- Substituted bid build provision docs in contracts
- Lots of lessons learned
- Relationship and communication with municipality and D/B team made it successful.





Olathe – Treatment Plant Expansion

Adding membrane treatment

- 30% design done without SRF reimbursement or approval
- 40%, 80%, 100% design reviews
- Had to use SRF disbursements to leverage desired regulatory design details







Salina Ground Water Treatment Plant



- Early fluff leads to confusing design
- First estimate was 100% design before construction
- Design packages submitted for regulatory review were endless





Arkansas City - Wastewater Treatment Plant

- A little too light on preliminary design no PER
- No regulatory review of design memorandum
- Regulatory side is pushing for nutrient removal
- Municipality just wants rehab of existing treatment process







Bonner Springs



- Sense of urgency
- Preliminary engineering report needed revision
- 6 months into phase 1 and the GMP was too high





Wichita

- Joint funded with WIFIA
- Solid communication
- Dedicated KDHE reviewing Engineer
- 4 year project
- So far so good







SRF Program Alterations



- Provisions language bidding
- Contract review checklists
 - Attorney Cert
 - Submittal package estimate
 - Construction Activity Approval
- Phase 1 contract provisions Consultant Packet
- Phase 2 contract provisions Construction Packet





Thank You / Questions

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