

Implementing the Second Stage Short-Term Drought Response Strategy GMP No. 3 Garney Companies and Pepper Lawson

June 25, 2015

DROUGHT IS REAL...

Lake Fort Phantom Hill

- ✓ Was 47% capacity in May, 2013
- ✓ Now 43% capacity as of June 11, 2015

Hubbard Creek Reservoir

- ✓ Was 26% capacity in May, 2013
- ✓ Now 30% capacity as of June 11, 2015

> OH Ivie Reservoir

- ✓ Was 19% capacity in May, 2013
- ✓ Now 15% capacity as of June 11, 2015

...AND ABILENE IS READY!



Initial Short-Term Strategies

Reuse Options

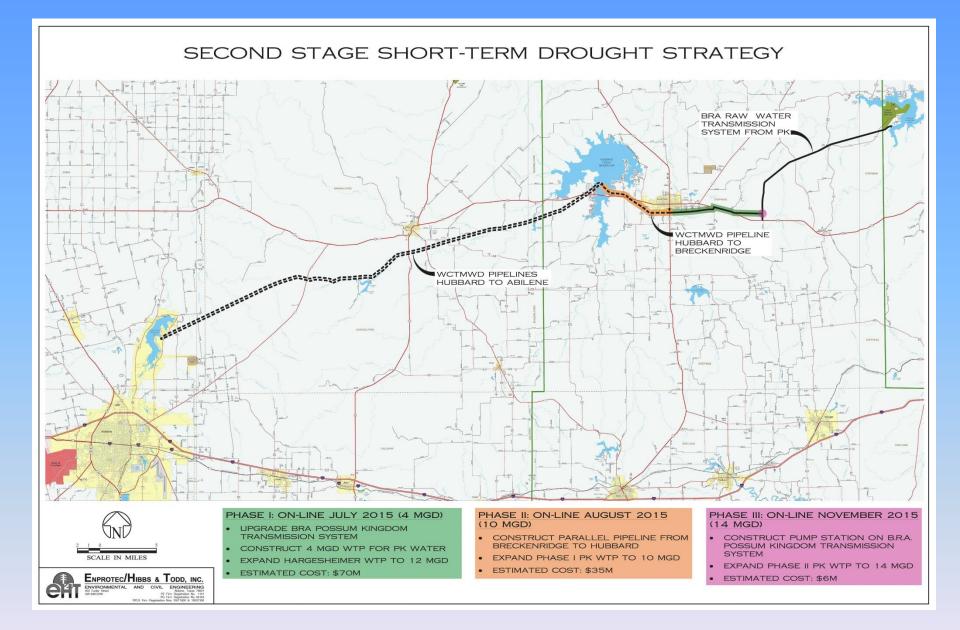
- Pumping water from Kirby into Cedar Creek (1 MGD)
 Completed
- Directing advanced treated wastewater into Fort Phantom Hill (7 MGD)
 ✓ Discharge to Phantom started on January 7, 2015
- Improvements to Hargesheimer WTP
 - Completed
- Improvements to Water Distribution System
 - Under construction



Recommended Second Stage Short-Term Strategy

- Purchase Water from BRA (PK supply)
 - Contract 4 to 14 MGD of raw water from BRA and Others (PK supply)
 - Construct 4 to 14 MGD WTP to treat PK water (provides 3 to 11 MGD potable water)
 - Construct improvements to existing BRA transmission pipeline from PK to Breckenridge
 - Construct parallel pipeline from Breckenridge to WCTMWD transmission system
- Expand Hargesheimer WTP (12 MGD potable water capacity)
- Proceed in Three Phases Total Estimated Cost for all Three Phases - \$111 million

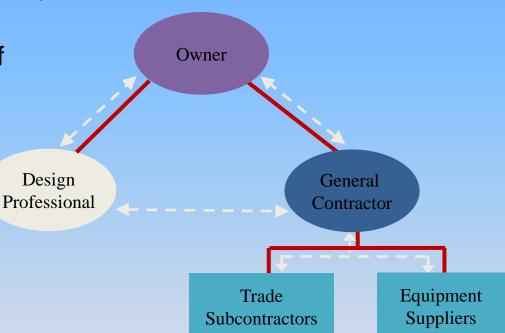






Traditional Delivery: Design-Bid-Build Best Applications

- Owner is pleased with results of past DBB projects
- Owner desires high degree of involvement in design
- Schedule is not a priority
- Project is complex or scope is uncertain
- Enabling laws do not allow alternative project delivery





Enabling Texas Legislation for Alternative Project Delivery

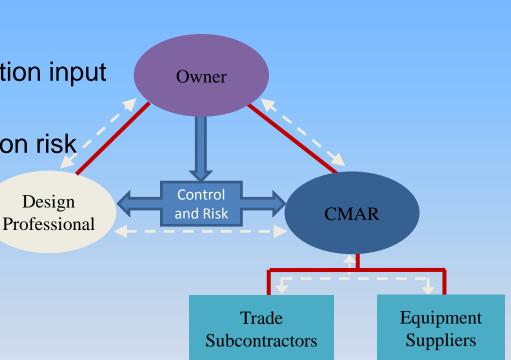
- Government Code Chapter 2267 allows the use of alternative procurement methods:
 - Construction Manager at Risk (CMAR)
 - Design-Build



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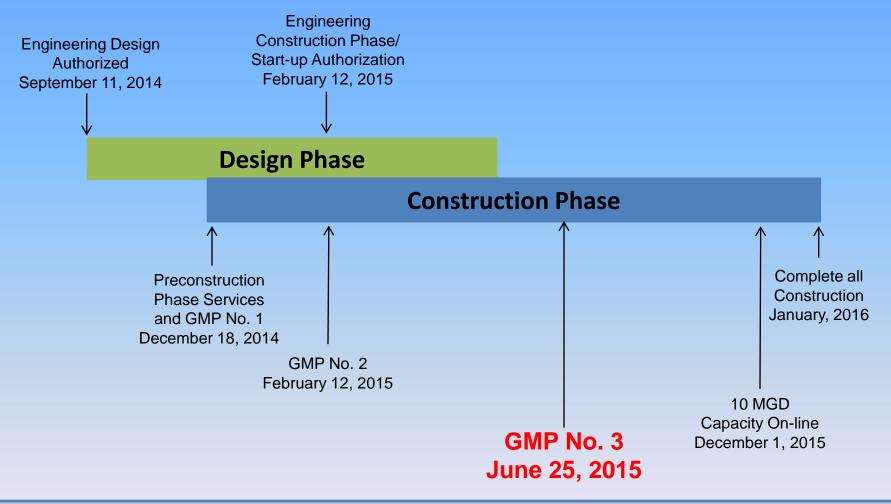
Alternative Delivery: CMAR Best Applications (Approved October 23, 2014)

- Owner desires high degree of involvement and control
- Owner desires more construction input into design
- Owner desires less construction risk
- Schedule is a priority
- Project is complex or scope is uncertain
- Ensures maximum local subcontractor participation
- Best value for the City



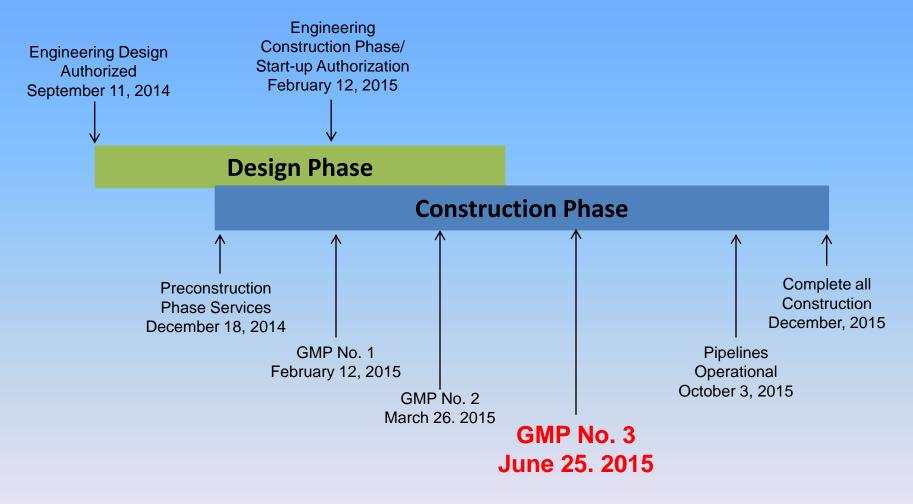


Pepper Lawson CMAR for PK Roughing Facility





Garney Companies CMAR for PK Pipelines





Pepper Lawson GMP Proposal No. 3 PK Roughing Facility

	<u>GMP No. 1</u>	<u>GMP No. 2</u>	<u>GMP No. 3</u>	<u>Total</u>
CMAR Fee		\$1,020,000	\$378,870	\$1,398,870
Project General Conditions		\$4,260,000		\$4,260,000
Mechanical Piping Packages		\$1,900,000	\$1,597,140	\$3,497,140
Equipment Packages	\$15,000,000	(\$5,550,000)		\$9,450,000
Site Civil Packages		\$585,000	\$1,094,950	\$1,679,950
Structural Concrete Packages		\$2,425,000	\$410,000	\$2,835,000
Buildings and Finishes Packages		\$2,330,000	\$3,582,620	\$5,912,620
Electrical Packages		\$6,530,000	\$1,788,550	\$8,318,550
Contingency			\$1,000,000	\$1,000,000
TOTAL	\$15,000,000	\$13,500,000	\$9,852,130	\$38,352,130

Final GMP will establish the CMAR's <u>maximum contract price</u> (final GMP plus \$375,000 Preconstruction Phase Services) for the Project. The CMAR is "at risk" for Project costs exceeding the maximum contract price.



Garney Companies GMP Proposal No. 3 PK Pipelines

	<u>GMP No. 1</u>	<u>GMP No. 2</u>	<u>GMP No. 3</u>	<u>Total</u>
CMAR Fee	\$1,071,600	\$616,800	\$518,160	\$2,206,560
Project General Conditions	\$2,310,000			\$2,310,000
Piping, Valves and Accessories	\$9,950,000	\$343,000	\$446,000	\$10,739,000
Clearing/Construction Staking	\$1,000,000	(\$127,000)	\$168,000	\$1,041,000
Permanent Fencing		\$233,000		\$233,000
Directional Drilling/Boring	\$2,000,000	\$4,361,000	\$2,390,000	\$8,751,000
12" Pipeline Installation	\$730,000	\$4,124,000	(\$27,000)	\$4,827,000
36" Pipeline Installation	\$1,870,000	\$1,346,000	\$4,724,000	\$7,940,000
Surface Restoration			\$935,000	\$935,000
TOTAL	\$18,931,600	\$10,896,800	\$9,154,160	\$38,982,560

Final GMP will establish the CMAR's <u>maximum contract price</u> (final GMP plus \$250,000 Preconstruction Phase Services) for the Project. The CMAR is "at risk" for Project costs exceeding the maximum contract price.



Questions

