R. Dryden PE

Engineering Tasks Related to Blue Lake

	Work Area	Description of Work
1	Medium Voltage Switchgear	Provide description of gear and vendor proposal for Seung Kim to prepare final bidding documents
2	Low Voltage Switchgear-Station Service	Provide description of gear and vendor proposal for Seung Kim to prepare final bidding documents
3	Switchyard Control Panel & Building	Specify panel and building, bid, supervise installation
4	69 kV Main Transformers	Make final review of spec so Seung Kim can prepare final bid documents
5	Raw Water Switchgear	Seung Kim will prepare final bid documents
6	Dam Site Distribution Line	Bid and Oversee Construction
7	Fish Valve Hydro	Finish Design of Controls Upgrade and supervise the construction
8	Fish Valve Hydro	Supervise conversion and startup of new equipment
9	Fiber optic Communications Line to Industrial Park	Work with DOT & ACS
10	Old Plant	Design conversion to power from the new plant
	Emergency Generator	Specify size and Model number for contract 9 spec.
11	Emergency Generator tranfer switch function	Detail Station Emergency Generator Logic-recheck relays required.
12	Tie Line - Industrial Park	Design tie line to Industrial Park Sub, work with in-house crew.
13	Communications Line BL to Campground.	Install new fiber optic cable old from Blue Lake to Campground Road
14	Transformers Misc. Campground Tie, Station Service	T4, 12.5/12.5, 1500kVA, BL switchyard
		T5, 12.5/480, 25kVA, Dam Site
		SST1, 12.5/480, 300 kVA, Station Service

		SST1, 12.5/480, 300 kVA, Station Service
		RWPT3, 12.5/480, 500kVA, Raw Water Pumps
		WTPTx, 480/208, 150kVA, Water Treatment Plant
15	22, 55, & 33 Breakers	Replace oil breakers with vacuum breakers
16	Work during construction	Construction inspection and start-up
17	Submittal reviews (Note 4)	electrical submittals for the project must be reviewed and responded to UEE, Ideal,
18	Trail counter data	Gather trail counter data for processing by Juliet

Note 1 We must include written specifications and drawings of the owner supplied equipment in the reference documents of contract 9 so that the bidder is able to determine the risks involved in the interface with the owner.

Note 2 All procurement contracts to date have been done using the EJCDC format. This format should be used where it has been completed and functional perhaps on the 69kV transformers. Where the EJCDC is not used, city procurement due diligence procedures must be followed.

Note 3 Vendor submittals are posted on Share Point. The City has committed to responding and reposting these submittals within 10 days