

July 24, 2018

Mr. Neville Pereira  
Chief Building Official  
County of Monterey  
1441 Schilling Place  
Salinas, CA 93901

**Underground Fuel Oil Storage Tank & Generator Replacement.**

AB 900 Jail Housing Addition Project 8819  
1410 Natividad Road  
Salinas, CA

Dear Mr. Pereira:

Last Friday we (Kitchell, APSI/6D, Amoroso, Facilities staff and Sheriff staff) reviewed the area of the Jail site where the new electrical switchgear will be located. The location for the new equipment is between the existing switchgear and the existing underground fuel storage tank feeding the generator for the kitchen and half the jail.

- The underground storage tank is over 20 years old and has failed its inspection in May of this year, due to spill bucket leaking and secondary containment system failure.
- The existing 600KW generator is over 30 years old and past its useful life, the rear seals on the engine have failed and the unit is not dependable to operate when needed.

Both the underground storage tank and the generator are in need of replacement to provide reliable life safety emergency back-up system for the Jail operation in the event of a power outage.

The excavation needed for the installation of the switchgear foundation and pad will be within a few feet of the fuel storage tank and the chance of either hitting the tank or disturbing possible contaminated fill around the tank is high possibility, therefore we are recommending the complete removal of the storage tank and replacement of the generator.

The scope of this change to the project would include:

- Removal of tank and all contaminated fill, permitting, and disposal.
- Backfilling of the area and replacement of concrete walk, and security fencing.
- Removal and replacement of 600KW Generator w/ a 2000 gal. belly tank.
- Design Services.
- Inspection services.
- Temporary fencing and access.

Our opinion of probable construction cost is as follows:

Removal of tank and restoration of area:	\$ 350,000.00
Removal and replacement of 600KW generator w/ belly tank:	\$ 450,000.00
Architectural & Engineering design services:	\$ 75,000.00
Inspection services:	\$ 35,000.00



Contractor Mark-up:	\$ 91,000.00
Soft Costs County:	\$ 20,000.00
Contingency 10%:	\$ 102,100.00
<b>Estimated Proposed Budget Cost:</b>	<b>\$1,123,100.00</b>

Presently the project remaining contingency balance is \$5.5 million which is more than enough to cover this additional scope of work.

Our preliminary schedule for the Additional Scope of Work is as follows:

Board of Supervisors direction to Proceed:	August 07, 2018
Design & Review (two weeks):	August 21, 2018
Bidding and Review (four weeks):	September 18, 2018
Construction Start:	September 25, 2018

The present construction schedule reflects the delivery and setting of the new switchgear the end of August, this additional scope would impact the activities associated with the new switchgear but not the critical path for completion.

Should you have any questions please feel free to call

Sincerely  
Kitchell CEM

Arthur H. Lytle, AIA, CCM, DBIA  
Senior Project Manager

Cc: Kent Brown  
Duke Sonderegger  
Christine Poe