

ST. CHARLES PARISH
REPLACE NATURAL GAS ENGINE AT DESTREHAN I PUMP STATION
P090303

2/12/2010

CERTIFICATE OF SUBSTANTIAL COMPLETION

DATE OF ISSUANCE November 10, 2010

OWNER St. Charles Parish Department of Public Works and Wastewater
CONTRACTOR BLD Services, LLC
Contract: St. Charles Parish Replace Natural Gas Engines at Destrehan I Pump Station Project No. P090303
Project: Replace Natural Gas Engines at Destrehan I Pump Station

OWNER's Contract No. P090303 ENGINEER's Project No. N/A

This Certificate of Substantial Completion applies to all Work under the Contract Documents or to the following specified parts thereof:

To ST. CHARLES PARISH
OWNER

And To BLD SERVICES, LLC
CONTRACTOR

The Work to which this Certificate applies has been inspected by authorized representatives of OWNER, CONTRACTOR and ENGINEER, and that Work is hereby declared to be substantially complete in accordance with the Contract Documents on

November 10, 2010
DATE OF SUBSTANTIAL COMPLETION

A tentative list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include an item in it does not alter the responsibility of CONTRACTOR to complete all the Work in accordance with the Contract Documents. The items in the tentative list shall be completed or corrected by CONTRACTOR within 30 days of the above date of Substantial Completion.

EJCDC No. 1910-8-D (1996 Edition)
Prepared by the Engineers' Joint Contract Documents Committee and endorsed by The Associated General Contractors of America and the Construction Specifications Institute.

ST. CHARLES PARISH
REPLACE NATURAL GAS ENGINE AT DESTREHAN I PUMP STATION
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2/12/2010

The responsibilities between OWNER and CONTRACTOR for security, operation, safety, maintenance, heat, utilities, insurance and warranties and guarantees shall be as follows:

OWNER: _____

CONTRACTOR: _____

The following documents are attached to and made a part of this Certificate:

Punch List, dated 10/12/10

This certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of CONTRACTOR's obligation to complete the Work in accordance with the Contract Documents.

Executed by ENGINEER on November 10, 2010
Date

Danny J. Hebert, P.E.
ENGINEER

By: _____

(Authorized Signature)

Danny J. Hebert 11/10/10

CONTRACTOR accepts this Certificate of Substantial Completion on 11/12/10
Date

BLD Services LLC
CONTRACTOR

By: _____

(Authorized Signature)

Thomas Behan

OWNER accepts this Certificate of Substantial Completion on 11/18/10
Date

St. Charles Parish
OWNER

By: _____

(Authorized Signature)

[Signature]

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE

ON November 22, 2010

AS ENTRY NO. 365751

IN MORTGAGE/CONVEYANCE BOOK

NO. 1402 FOLIO 170

Incomplete Work List for SCP Destrehan 1 Pump Station Replace Natural Gas Engines P090303
Engine and Pump Number 2 & 3.

1. ~~The engine manual, PTO manual, spare parts, starter and all the Isuzu Engine As Built Specifications, need to be delivered to SCP with Transmittals through the Project Engineer, Danny Hebert.~~
2. ~~The expansion joint (bellows type), on the engine needs to be aligned with the exhaust pipe and plumbed as the exhaust system is being completed.~~
3. ~~The hanger rod supporting the exhaust pipe inside the building needs to be adjusted to take any weight off the expansion joint and square up the engine exhaust expansion joint~~
4. ~~The penetration through the wall for the exhaust pipe needs to be repaired with new R-Panel material.~~
5. ~~The nuisance alarm elimination, Murphy Power View, on the Isuzu panels needs to be changed out and the manual transmitted to SCP via the Project Engineer, Danny Hebert.~~
6. ~~M & L to verify synchronization of variable speed with control panel and the new switch that was installed on the outside of the control box. The variable speed control inside the control panel will be switched off and the change that was made needs to be transmitted to the Project Engineer, Danny Hebert.~~
7. ~~The radiator cooling fans were set up to pull air from the outside and discharge into the building. The new reverse fan blade assemblies were delivered to the site on Tuesday October 12, 2010 and installed by M & L Engine after the test run of engine number 3 and will be checked verified, when the anti rotation pins are installed for both Amarillo #2 & #3 gear boxes. The change in the flow of the Isuzu engine fan blades will be documented and transmitted to the Project Engineer, Danny Hebert.~~
8. ~~Repair tank Fuel Fill Line Union leak, still seeping fuel. BLD states that it is the Tank Manufacturers Responsibility but it is up to BLD to get the repair accomplished.~~
9. ~~The purge pump on the fill line system needs to be pumped to keep spill out of sump after fueling, which needs to be specified in the fuel tank information supplied to the Project Engineer, Danny Hebert.~~
10. ~~Repair fuel supply line diesel leak on 2-inch 45 degree fitting at the pump house wall and check for other leaks. The 2-inch 45 degree fitting at the pump house wall leak was worked but the fuel supply valve was left closed, which was discovered while trying to start Number 3 engine on Tuesday October 12, 2010 and the system will need closer inspection for leaks.~~
11. ~~There are fuel leaks on the header inside the building after the flushing and cleaning of the fuel system that were detected on Tuesday October 12, 2010. Leak is being repaired by BLD Bruce Wamsley on Wednesday November 10, 2010 and should be complete today.~~
12. ~~Touch up paint all fuel support pipe welds on pump discharge piping. Some touch up has been accomplished but needs further inspection.~~
13. ~~Touch up paint all diesel fuel supply and return piping and fittings including on the tank. Wire brush and clean up all rust seepage on tank and other areas. The brass tank data information tags are held in place with welded on ferrous metal and rust is seeping down the tank. BLD to have tank manufacturer correct or get instructions for the corrections.~~
14. ~~Install Ladder, gate and fence on the diesel fuel tank containment wall. Some alterations were attempted by BLD to the galvanized ladder without informing or approval of the Project Engineer, Danny Hebert, which need to be communicated as to the reason. This may be a duplicate item. Danny Hebert is evaluating this alteration to the ladder on Wednesday November 10, 2010 and will get back with BLD and to make sure it meets original drawing specifications and OSHA requirements.~~

15. Replace #2 and #3 muffler support with 2-1/2" X 2-1/2" X 1/4" A36 Steel and bolt to existing steel.
16. Modify 24 GA. Galvanized R-Panel as required for the refurbished radiator Shroud for #2 and #3 engines.
17. Modify 24 GA. Galvanized R-Panel as required for the wall penetrations for the engine exhaust system, for #2 and #3 engines.
18. Use flashing around the inside and outside of the wall penetration for #2 and #3 Isuzu Engine shrouds; the aluminum foil tape is not adequate.
19. Complete the clean up of all old construction material and clean up around area after the tank area seeding is accomplished.
20. Grade slope, clay fill and seed around the diesel tank containment wall as per drawing and specifications Dwg. #7 cross section B-B. Danny Hebert is evaluating the grade, slope and seed around the diesel tank containment on Wednesday November 10, 2010 and will communicate with Greg Schultz and BLD on any further action necessary.
21. Install Ladder, Gate and fence around the 6,000 Gallon Diesel Storage Tank Containment; see revised drawing #8 dated August 23, 2010.
22. M & L Engine Technician Brian Robichaux, stated during the run in of engine number 3, stated that the exhaust risers above the mufflers need to have a 90-degree turn and cut at a 45-degree at the top to prevent rain from entering the exhaust system. When the new muffler support with 2-1/2" X 2-1/2" X 1/4" A36 Steel and bolt to existing steel are received and being installed the correction to the exhaust riser needs to be made. (See Photos).
23. The Radiator Shrouds Dwg. No. 5 were refurbished and not new fabrications and the old Shrouds were reworked and reinstalled to fit the existing wall penetrations. The transition from the radiator to the old shrouds were adapted using sheet metal and are not according to the specifications.
24. On Addendum Number 1 Item 10 page 2 of 3 calls for the engines to have drip pans with gate valve, which do not appear to have been installed on the pans.
25. M & L Engine Technician Brian Robichaux, stated that all documentation of engine performance readings would be recorded and sent to Isuzu. Please furnish SPPW with all the readings and transmit the documentation via Project Engineer, Danny Hebert.
26. Remove braded ground straps from engines, not required according to M & L Engine Technician Brian Robichaux.

New or incomplete Punch List items discovered for list on Friday November 5, 2010.

1. The containment ladder that was installed on wall to fuel storage containment area has razor sharp Burrs on top handholds. Refer to Item 14, part of Item 14 on original punch list
- ~~2. Inside Pump Station Return fuel line header near to new installed engines is seeping fuel around fittings/union. See Item 14 on original list.~~
3. Gate recently installed on wall to fuel storage tank will not swing open correctly with out hitting top of newly installed ladder.
4. Seep Leak still on line on 45-degree fitting by union outside fuel line, where it goes under the floor, lower pipe supply line.
5. Bellows was damaged Wednesday on engine exhaust #3 while BLD was working punch list items for changing outside exhaust brackets. (repaired/replaced.)

6. Water standing in bottom of diesel fuel tank containment poses mosquito-breeding problem and rust out the support legs of the tank; need to chip out a channel to the drain valve to allow the floor to drain or other method recommended by Danny Hebert to drain the floor. The drain line and valve are being evaluated by Danny Hebert on Wednesday November 10, 2010 and will communicate with Greg Schultz and BLD on any further action to be taken.
7. ~~Leak on fuel supply fitting at containment penetration on pump house side and fitting is not coated.~~ Being repaired by BLD, Bruce Wamsley on Wednesday November 10, 2010.