

**ADDENDUM # 3**

CITY OF TORRANCE  
3031 Torrance Blvd.  
Torrance, CA 90503

BID NO. B2013-04

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**Bid for Replacement of the Bus Wash and Vacuum Systems at the City Yard**

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ADDENDUM # 3

THE FOLLOWING CHANGES ARE HEREBY INCORPORATED INTO AND MADE A MANDATORY PART OF SUBJECT BID:

Bid Opening remains, Thursday, March 14<sup>th</sup> by 2:00 PM in the City Clerk's office.

**Bus Specification:**

The longest bus is 41 ft.

The tallest bus is 11 ft. 8in.

The widest bus is 102 in. wide without the rearview mirrors, 123 in. with rearview mirrors.

**Peak time cleaning:** 7:00 pm to 10:00 pm with 15 buses coming through and hour.

**The existing clarifier:** The existing clarifier is in constant use, servicing the fuel island and the present bus wash and should accommodate the new bus wash system.

**Odor control for the Water Reclaim / Sludge Systems:**

Yes, it's required, given the airflow we experience in the yard in the afternoons.

The City will accept the following contractor licenses of the bidders: "B" – Building, "A"- Engineering, "D-21" Machinery and Pumps Contractor, "D-34" Prefabricated Equipment.

**Below are questions raised during bidding period, answers are in bold.**

Will permits for plumbing and electrical work for the replacement of the bus wash and vacuum be necessary sense existing equipment is being replaced? **Plumbing and electrical permits are required for the project.**

Will seismic calculation be required for the splash wall? **The successful bidder will provide completed plans to the City of Torrance Building Department for their review; they make the decisions on what will be required in order to approve the plans. It is recommended that the bidder contact the building department at 310-618-5910 to find out what will be required based on the type of system being installed.**

Is this a tax exempt project? **No.**

If not what is the tax rate. **8.750%**

Are there any local licenses or fee requirements for the general contractor or sub contractor? **There is no cost for the permit fees at the City of Torrance building department because it is a city job. However if you are the awarded bidder you will be required to purchase a Torrance Business license. To find out the cost, please contact Business License office at 310-618-5923. Aside of the requirements above, the bidder will be responsible for procuring and executing any other permits, licenses, pay all charges and fees, and give all notices necessary and incidental to completion of the work.**

Will the Vacuum system be relocated? **No.**

What is the air pressure at the wash bay? **120 psi**

What is the air pressure at the fuel island? **120 psi**

Are brushes using Lammscloth material acceptable? **Yes.**

The spec calls for a 1cu. Td steel sludge cart. (page 96)

Will a 1 cu. Yd. medium density polyethylene sludge cart be acceptable? **Yes.**

What is the voltage and amperage available at the wash bay?

**480 volts and 70 amp fuses within a 100 amp fusible disconnect**

What is the voltage and amperage available at the fuel island for the vacuum system?

**480 volts and 80 amps within a 100 amp fusible disconnect**

The Class 1, Division II (explosion proof) electrical rating in the fuel island area where the bus vacuuming system will be located. Specifically, is there a distance from the fuel dispensers where a non-explosion proof bus vacuum system electrical enclosure can be located? **The City did not receive the answer in time for distribution of the addendum; please provide products that meet all applicable codes.**

What is the wire size the exists in the conduit connecting the 100 ampere circuit breaker in the maintenance building electric service panel to the existing vacuum system electrical panel on the fuel island.

**For the vacuum system 1 ¼" conduit with three (3) #2 THHN wires and one (1) #8- ground wire**

**For the wash bay, it is 1" conduit with three (3) #4 THHN wires and one (1) #8- ground wire**

Attached are five (5) responses to the equipment and products that were submitted as "approved equal" during the bidding period.

March 7, 2013

**Please return this addendum with your bid proposal.**

I hereby acknowledge receipt of this addendum.

\_\_\_\_\_  
Name of Company

\_\_\_\_\_  
Address

\_\_\_\_\_  
City      State      Zip Code

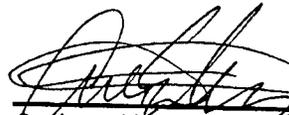
CITY OF TORRANCE  
3031 Torrance Blvd.  
Torrance, CA 90503

Bid for Bus Wash and Vacuum Systems at the City Yard

DATE 3/5/2013

Review of the Westmatics bus wash system Specifications

- Reviewed
- Corrections noted
- Action not required
- Revise & resubmit
- Approved as equal
- Not equal



Reviewed by Art Estrada

Question for Review

Please review the submitted Westmatics bus wash specifications for approved equal.

Review Notes

At this time I'm forced say that Westmatics Specification does not qualify as an equal, due in part to the material used for the framing of the component arches.

Reason: Our bus wash is an exposed open air system, our location is only a couple of miles away from the Pacific Ocean. The galvanization will eventually begin to wash away from the system's framing and will start to corrode prematurely. The Zinc in the in the galvanization coating can potentially end up in the storm drain system. Which not the very good for our Best Management Practices (BPMs).

This review is only for general conformance with the design concept of the project and the information of the Bid Document. Corrections or comments made on the submittal during this review does not relieve the bidder from compliance with requirements of the Bid Specifications.

CITY OF TORRANCE  
3031 Torrance Blvd.  
Torrance, CA 90503

Bid for Bus Wash and Vacuum Systems at the City yard

DATE 03/01/2013

Review of the Robertson Lance button switches

- Reviewed
- Corrections noted
- Action not required
- Revise & resubmit
- Approved as equal
- Not equal

  
Reviewed by Art Estrada

Question for Review

Request to add Radio Frequency transmitted lance button?

Review Notes

The Robertson Air Modification of the Lance button switches qualify as approved equal.

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CITY OF TORRANCE  
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Bid for Bus Wash and Vacuum Systems at the City Yard

DATE 3/5/2013

Review of the Whitting Bus Wash Systems Specifications

- Reviewed
- Corrections noted
- Action not required
- Revise & resubmit
- Approved as equal
- Not equal

  
Reviewed by Art Estrada

Question for Review

Please see our specification and drawing attached regarding our drive through bus wash equipment. Please note our use of T304 Stainless Steel for all frame components and the use of Polyethylene bristles.

Review Notes

Whittings System Inc. (Casey Craft's), submittal does qualify as an approved equal. However, his submitted specification does not mention a blow drying. Our Specification Calls for such system.

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CITY OF TORRANCE  
3031 Torrance Blvd.  
Torrance, CA 90503

Bid for Bus Wash and Vacuum Systems at the City Yard

DATE 3/5/2013

Review of the Westmatics bus wash systems and Eurovac vacuum System

- Reviewed
- Corrections noted
- Action not required
- Revise & resubmit
- Approved as equal
- Not equal



Reviewed by Art Estrada

Question for Review

Please review the submitted Westmatic bus wash specifications and EuroVac specifications?  
for approved equals.

Review Notes

At this time I'm forced say that Westmatics Specification does not qualify as an equal, due in part to the material used for the framing of the component arches.

Reason: Our bus wash is an exposed open air system, our location is only a couple of miles away from the Pacific Ocean. The galvanization will eventually begin to wash away from the system's framing and will start to corrode prematurely. The Zinc in the in the galvanization coating can potentially end up in the storm drain system. Which not the very good for our Best Management Practices (BPMs).

**Euro Vac specification does qualify as an equal sysyerm.**

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CITY OF TORRANCE  
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Bid for Bus Wash and Vacuum Systems at the City Yard

DATE 3/6/13

Review of InterClean Equipment Company's Bus Wash Specification (XJ-404 Reclaim Bus Wash)

- Reviewed
- Corrections noted
- Action not required
- Revise & resubmit
- Approved as equal
- Not equal

  
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Reviewed by Art Estrada

Question for Review

Review of InterClean's Bus Wash Specifications for the XJ-404 Reclaim bus Wash for equal acceptance.

Review Notes

InterClean Equipment Company's system is a very well built system, however, the submitted specification does not mention the build material for the component arches or the framing of the brush structures. In order for this system to qualify as equal the structure must be built of 6061 Aluminum or better. The City of Torrance is very near the ocean and anything less than Aluminum structures can cause premature corrosion.

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