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Miscellaneous Requirements State Specification #PTWB-01R2 Paint, Rapid Dry, Waterborne Traffic Line

1.0 QUALITY ASSURANCE PROVISIONS

1.1 Sampling and Testing: A one-quart representative sample of each batch of traffic paint intended for use by the Department of Transportation (Department) must be sent to the Transportation Laboratory for testing and approval before the batch is shipped. The address of the Transportation Laboratory is listed in section 3.4. A batch shall be the amount of paint that was manufactured and packaged in a single operation. The Department reserves the right to take random samples of batches of paint destined for use by the Department, at the manufacturer's facility. If requested, batch tickets must also be provided for batches of paint produced for the Department. A manufacturer's test report shall be included with the one-quart sample of each batch sent to the Transportation Laboratory. The following information shall be included in the manufacturer's test report:

- State Specification number, PTWB-01R2 (March 2010).
- Batch number, batch volume, color, date of manufacture.
- Dry to No Pick-Up time (PTWB-01R2, section 3.3.9).
- Dry Opacity (PTWB-01R2, section 3.3.16).
- Yellowness Index (of white only, see PTWB-01R2, section 3.3.17).
- Reflectance (PTWB-01R2, section 3.3.18).
- Yellow Color (of yellow only, see PTWB-01R2, section 3.3.19).
- Consistency (PTWB-01R2, section 3.3.7).
- Nonvolatile Content, weight percent (PTWB-01R2, section 3.3.3).
- Pigment, weight percent (PTWB-01R2, section 3.3.4).
- Density (PTWB-01R2, section 3.3.6).

Once the Transportation Laboratory approves a batch of paint, the manufacturer will be notified that the batch is approved for shipment. Upon shipment of the approved batch of paint to a Department Maintenance facility, the manufacturer shall fax the following information to the Transportation Laboratory within 48 hours.

- A list of each delivery location.
- Name and phone number of contact person(s) at the delivery location(s).
- State Specification number, PTWB-01R2.
- Colors, batch numbers and quantity of each batch of paint delivered.

This information shall be faxed to: Transportation Laboratory, Chemical Testing Branch, 5900 Folsom Blvd., Sacramento, CA 95819-4612, attn.: Lisa Dobeck, Fax (916) 227-7168.

The Department reserves the right to retest any batch of traffic paint after delivery. Data from such retesting shall prevail over all other tests and will be the basis of

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rejection. Material not meeting the specification shall be removed and replaced by the supplier at their expense, including all costs for handling, retesting and shipping.

1.2 Critical Situation: In the event that the delivered paint affects the operating ability of the equipment, such as causing plugged paint lines, pumps, paint guns, etc., causing a down condition of the striping or spray equipment, the State will contact the supplier and the supplier shall respond within two hours of notification and remedy the situation within thirty six hours of notification by the State.

1.3 Problem Situation: In the event that the performance or quality of the delivered paint is questioned, such as slow dry time, poor bead retention, poor adhesion, etc., the State will contact the supplier and the supplier shall respond within two hours of notification and remedy the situation within seventy two hours of notification by the State.

If the State requires a Service Representative to participate in a problem solving situation (either on site or by telephone) outlined in either of the above described situations, the supplier's representative shall be fully qualified, both mechanically and technically, to solve the problem. A "Salesman" or "Regional Manager" or other unqualified representative does not fulfill the intention of this section.

2.0 PREPARATION FOR DELIVERY

2.1 Packaging: All manufactured paint shall be prepared at the factory ready for application. The finished paint shall be furnished in the container size specified in the purchase order or contract.

- When 5-gallon containers are specified, they shall be round and have standard full open head and bail.
- If 55-gallon steel drums are specified, they must have removable lids and airtight band fasteners.
- When 350-gallon bulk containers are required by the purchase order or contract, the paint shall be delivered in a container (tote) meeting the following requirements.
 1. Tank volumes are estimated and so specified in each of three (3) Bulk Container drawings dated 09-04-91. Vendor shall allow a 5-gal. headspace for expansion of the paint.
 2. Maximum size in regards to width, depth and height shall be in accordance with one of the three drawings dated 09-04-91.
 3. Top openings; 18 inch diameter manhole and 6 inch diameter viewport/fill cap.
 4. Bottom outlet; 2 inch I.D. full flow non-restrictive valve with outlet guard.
 5. Outlet to have 'Ever-Tite' or compatible quick coupler.
 6. Fabricated from 304 stainless steel.
 7. Capable of being stacked two (2) high when full.
 8. Capable of being lifted by crane (lifting eye) and forklift when full.
 9. Top of tank shall be equipped with one (1) vacuum relief valve and one (1) pressure relief valve.
 10. Top opening and outlet shall provide for easy installation of liner.
 11. Proper certification by the California Highway Patrol that the container complies with all applicable laws, rules, and regulations.

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All shipping containers must comply with Code of Federal Regulations, Title 49 and all other applicable Federal and State Regulations governing their use. The containers and lids must be lined with a suitable coating so as to prevent attack by the paint or by agents in the airspace above the paint. The lining must not come off the container or lid as skins. Lids with bungholes shall not be used except on 55-gallon drums, which shall be equipped with a 2 1/4" diameter bunghole in the removable head to facilitate pumping the contents without removing the head.

Containers with lids shall be colored white, including lids, and have an identifying band of the appropriate color around and within the top one-third of the container. Stainless steel containers (totes) do not need to be painted white.

All containers shall be properly sealed with suitable gaskets and shall show no evidence of leakage and shall remain in satisfactory condition for a period of 12 months after delivery. The vendor shall be held responsible for replacing containers unfit for use and will be responsible for all costs and transportation charges incurred in replacing paint and containers. All containers shall be palletized and banded for shipment.

2.2 For Totes With Liners:

If the before filling weight of the empty tote with a liner exceeds the stamped tare weight (tare weight to include liner weight) of the tote by more than 150 pounds, the tote shall be immediately removed from use for purposes of this contract until said tote liner has been cleaned or until a new tote liner has been installed.

Compensation for any tote liners used during the course of this contract shall be considered to be included in the price per gallon bid for paint.

2.3 For Totes Used Without Liners:

If before filling weight of the empty tote exceeds the stamped tare weight by more than 100 pounds, the tote shall be immediately removed from use for purpose of this contract until said tote had been cleaned to bare metal. Cost of cleaning totes and disposing of any residues resulting from such cleaning shall be included in the price per gallon bid for paint and no additional compensation will be paid to the supplier for cleaning the totes.

In case of conflict between specification text and tote drawing, the drawing shall be the governing specifications.

2.4 Marking: All containers of paint shall be labeled showing the State Specification number (PTWB-01R2), manufacturer's name, date of manufacture, color and manufacturer's batch number. Containers shall be clearly labeled "Rapid Dry, Waterborne Traffic Paint". All containers of the paint shall be labeled to indicate that the contents fully comply with all rules and regulations concerning air pollution control in the State of California. The manufacturer of the paint shall be responsible for proper shipping labels with reference to whether the contents are; toxic, corrosive, flammable, etc., as outlined in the Code of Federal Regulations, Title 49. The Contractor shall list on the Demountable Weight Tags the kilograms per liter and pounds per gallon each for the white, yellow and black paints.

2.5 Demountable Weight Tags:

Weight tags, decals, or otherwise removable labels shall be affixed to each tote prior to shipping. Each tag, decal, or labels shall include tote number, date of

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weighing, weight before filling, weight after filling, conversion of new weight to gallons, manufacturer's lot number, State Purchase Order number, and the name of the person authorized to perform weighing of the totes. Weight tags, decals, or labels shall be weather resistant or enclosed in a weather resistant envelope type cover. Data written directly on the tote and which is not easily removable from the tote is not acceptable.

2.6

Tote Records:

Each tote shall have a separate and distinct tote number. The supplier shall maintain and present on demand a separate and complete record of the activity of each tote (including information described in DEMOUNTABLE WEIGHT TAGS above, and including use, if any by non- Department of Transportation agencies or private contractors). Failure to maintain and surrender such records on demand may result in suspension of the contract and disqualification from bidding on future contracts.

3.0

NOTES

3.1

Certification of Compliance: The manufacturer shall furnish a Certificate of Compliance with each batch of paint, in accordance with the provisions of Section 6-1.07 of the Department of Transportations' Standard Specifications, latest version. This Certificate must state that the particular batch of paint complies with State Specification PTWB-01R2.

3.2

Material Safety Data Sheets: The manufacturer shall furnish MSDS product information sheets whenever paint is delivered to a Department of Transportation facility.

3.3

Air Pollution Compliance: The paint shall comply with all air pollution control rules and regulations within the State of California in effect at the time the paint is manufactured.

3.4

Contact Information: Please send the representative samples of each lot to:

California Department of Transportation
Transportation Laboratory – Chemistry Section
5900 Folsom Blvd.
Sacramento, CA 95819
Attention: Lisa Dobeck