



# CITY OF HOUSTON

Administration and Regulatory Affairs Department  
Strategic Purchasing Division

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November 17, 2010

Subject: Letter of Clarification No. 2  
Paint, Airfield Marking  
for the Houston Airport System

Reference: Invitation to Bid (ITB) No.: S06-S23714

To All Prospective Suppliers:

This Letter of Clarification is issued for the following reasons:

- To revise the above referenced solicitation as follows:

**To extend the bid opening date from December 9, 2010 to December 30, 2010.**

- At the electronic website additional information has been **added** to Item Nos. 2, 4, 6, and 7.
- In Section B, Page 5 of 18, **replace**: “with attached pages 5 & 5A of 18 marked revised.
- In Section B, Page 6 of 18, **change** percentage on Item 8.3.1 from 10% to 25%.
- In Section C, Page 11 of 18, Provision **10.0 DELIVERIES**, Subsection 10.2, shall incorporate the following: Paint delivered shall **not** have more than a three (3) month old manufactured date.

- To answer the following question:

- Question: *“The bid requires that the testing facility to be ISO 9001 Certified or ISO 9001 registered A testing facility. Do you have any references to suggest to us that will meet the criteria?”*

Answer: *“Suppliers may contact Stephen Hall @ CAS-MI, 1-888-772-9000 for additional information.”*

- Due to the aforementioned change to the e-bidding items you may need to edit your bid. To do so please select the “Bid Number” and proceed accordingly.

This Letter of Clarification will be considered part of the solicitation referenced above.

Furthermore, it is the responsibility of each Supplier to obtain any previous Letter(s) of Clarification associated with this solicitation.

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Purchasing Manager  
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TLR:DRH:tlr

cc: Dallas Evans/ HAS Attachment File

*Partnering to better serve Houston*

**TECHNICAL SPECIFICATIONS FOR PAINT, AIRFIELD MARKING FOR HOUSTON AIRPORT SYSTEM CONTINUED:**

**3.0 TESTING FACILITY ANALYSIS (PRE-AWARD) CONTINUED:**

- 3.1 Tensile test: As per ASTM D4541 Pull-off strength (PSI) with break occurring in the concrete. Taber Abraser: As per ASTM D4060. Milligrams of lost weight. Qualitative Ultraviolet exposure (QUV): As per ASTM D4587. Gloss and Color measurement per hours of exposure. Product Coverage Rate (PCR): Spread rate dry film thickness per gallon (mils square feet per gallon).
- 3.2 The Testing Facility's analysis document shall be submitted with the supplier's bid document. If the analysis document is not received with the bid document, the supplier may not be considered for further bid award consideration.
- 3.3 Type III glass spheres are to be used in the product tests.

**4.0 EVALUATION OF 3<sup>rd</sup> PARTY ANALYSIS DOCUMENT FOR YELLOW PAINT:**

- 4.1 Yellow Paint (1-gallon), only as per line item description for Line Items Nos. 3 or 4 with Type III (FAA approved glass spheres.
- 4.2 The City of Houston Airport System shall provide a 50-lb bag of Type III glass spheres to the designated laboratory, and the supplier shall provide the City with the laboratory's mailing address.
- 4.3 The yellow paint that will be provided under this agreement will be used in the product evaluation analysis.
- 4.4 During the award period, all paints provided by the awarded supplier shall meet or exceed the testing results of the paint samples that were provided for the analysis.
- 4.5 Thickness of Type III glass spheres shall be 26 mils for both tests.

Test #1: 85% of overall Score					
Color Test for YELLOW paint (1-gallon required)					
<b>% of score</b>	<b>Test Panel (Yellow paint and Type III Glass spheres for each test)</b>	<b>Substrate - Concrete</b>			
15.3%	Tensile Test PSI pull-off strength				
15.3%	Taber Abraser (Milligrams of lost weight)				
15.3%	Fading using QUV (per 500 hrs. exposure)				
15.3%	Coverage (Mils square feet per gallon)				
23.8%	Price (Overall Group Total – total bid amount)				
85%					

**TECHNICAL SPECIFICATIONS FOR PAINT, AIRFIELD MARKING FOR HOUSTON AIRPORT SYSTEM CONTINUED:**

Test #2: 15% of overall Score					
Color Test for YELLOW paint (1-gallon required)					
<b>% of score</b>	<b>Test Panel (Yellow paint and type III glass spheres for each test)</b>	<b>Substrate - Black Top (Asphalt)</b>			
2.7%	Tensile Test (PSI pull-off strength)				
2.7%	Taber Abraser (Milligrams of lost weight)				
2.7%	Fading using QUV (per 500 hrs. exposure)				
2.7%	Coverage (Mils square feet gallon)				
4.2%	Price (Overall Group Total -total bid amount)				
15%					

**5.0 TESTING/INSPECTION (POST AWARD):**

The Houston Airport System reserves the right to perform any of the testing or inspection set forth herein at supplier's expense using an ISO 9001 certified or ISO 9001 registered ASTM-standards testing facility analysis when deemed necessary to assure that the paint conforms to the prescribed requirements.