

University of Louisville

PURCHASING DEPARTMENT
LOUISVILLE, KENTUCKY

Invitation No: **IB-07-09**

Date: **July 22, 2008**

Title: **Bus Station Addition to Floyd Street Garage**

Addendum No. **Two (2)**

The following shall clarify and/or modify the original bid document(s) as issued by the University of Louisville.

- 1. Add the attached Changes and Clarifications to This Invitation to BID.**
- 2. Change Bid Opening Date to July 29, 2008 at 2:00 PM**

Bidder must acknowledge receipt of this and any addenda either with bid or by separate letter. Acknowledgement must be received in the Office of Purchasing, Service Complex Building, University of Louisville not later than **July 29, 2008 at 2:00 PM**. If by separate letter, the following information must be placed in the lower left hand corner of the envelope:

Invitation No: **IB-07-09**

Title: **Bus Station Addition to Floyd Street Garage**

Open Date: **July 29, 2008 at 2:00 PM**

BY: Curtis Monroe
Authorized Purchasing Officer

Receipt Acknowledged: _____
FIRM

BY: _____

Addendum #2

Bus Station / Waiting Area Addition

University of Louisville

Arrasmith, Judd, Rapp, Chovan Inc. Architects

University of Louisville
Bus Station / Waiting Area Addition
Floyd Street Parking Garage
Addendum No. 2 – July 22, 2008

Bidder shall conform to the following changes, as they shall become binding upon the contract to be issued in response to this invitation to bid.

Refer to the attached pages for additions and / or deletions on the above subject project.

Bidders must acknowledge receipt of this and any addenda with bid.

Specifications

Item #01: Section 09900 "Painting", revise as follows:

- Add the attached specification section 09900 "Painting".

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SECTION 09900 - PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work specified in this section.

1.2 DESCRIPTION OF WORK:

1.2.2 Extent of painting work is indicated on drawings and schedules, and as herein specified.

1.2.3 Work includes painting and finishing of interior and exterior exposed items and surfaces throughout project, except as otherwise indicated.

Coordinate work of this section with Coating Systems for Animal Care Facilities, specified in another division 9 section.

Surface preparation, priming and coats of paint specified are in addition to shop-priming and surface treatment specified under other sections of work.

1.2.3.1 Work includes: Field painting of exposed bare and covered pipes and ducts (including color coding), and of hangers, exposed steel and iron work, and primed metal surfaces of equipment installed under mechanical and electrical work, except as otherwise indicated.

1.2.4 "Paint" as used herein means all coating systems materials, including primers, emulsions, enamels, stains, sealers and fillers, and other applied materials whether used as primer, intermediate or finish coats.

1.2.5 Surfaces to be Painted: Except where natural finish of material is specifically noted as a surface not to be painted, paint exposed surfaces whether or not paint is designed in "schedules".

Where items or surfaces are not specifically mentioned, paint the same as similar adjacent materials or areas. Paint behind chalkboards, and tackboards.

If color or finish is not designated, Architect will select these from standard or special colors or finishes available from manufacturer.

1.2.6 Following categories of work are not included as part of field-applied finish work.

1.2.6.1 Pre-Finished Items: Unless otherwise indicated, do not include painting when factory-finishing or installer finishing is specified for such items as (but not limited to) architectural woodwork and casework, elevator entrance doors and frames, elevator equipment, and finished mechanical and electrical equipment including light fixtures, switchgear and distribution cabinets.

1.2.6.2 Concealed Surfaces: Unless otherwise indicated, painting is not required on surfaces such as walls or ceilings in concealed areas and generally inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe spaces, duct shafts and elevator shafts.

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1.2.6.3 Finished Metal Surfaces: Unless otherwise indicated, metal surfaces of anodized aluminum, stainless steel, chromium plate, copper, bronze and similar finished materials will not require finish painting.

1.2.5.4 Operating Parts: Unless otherwise indicated, moving parts of operating units, mechanical and electrical parts, such as valve and damper operators, linkages, sensing devices, motor and fan shafts will not require finish painting.

1.2.7 Following categories of work are included under other sections of these specifications.

1.2.6.1 Shop Priming: Unless otherwise specified, shop priming of ferrous metal items is included under various sections for structural steel, metal fabrications, hollow metal work, and similar items.

Unless otherwise specified, shop priming of fabricated components such as architectural woodwork, wood casework and shop-fabricated or factory-built mechanical and electrical equipment or accessories is included under other sections of these specifications.

Do not paint over any code-required labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.

1.3 QUALITY ASSURANCE:

1.3.1 Single Source Responsibility: Provide primers and other undercoat paint produced by same manufacturer as finish coats. Use only thinners approved by paint manufacturer, and use only within recommended limits.

1.3.2 Coordination of Work: Review other sections of these specifications in which prime paints are to be provided to ensure compatibility of total coatings system for various substrates. Upon request from other trades, furnish information or characteristics of finish materials provided for use, to ensure compatible prime coats are used.

1.4 SUBMITTALS:

1.4.1 Product Data: Submit manufacturer's technical information including paint label analysis and application instructions for each material proposed for use.

1.4.2 Samples: Prior to beginning work, Architect will furnish color chips for surfaces to be painted. Submit samples for Architect's review of color and texture only. Provide a listing of material and application for each coat of each finish sample.

1.4.3 On 12" x 12" hardboard, provide two samples of each color and material, with texture to simulate actual conditions. Resubmit samples as requested by Architect until acceptable sheen, color, and texture is achieved.

Final acceptance of colors will be from samples applied on the job.

1.5 DELIVERY AND STORAGE:

1.5.1 Deliver materials to job site in original, new and unopened packages and containers bearing manufacturer's name and label, and following information:

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Name or title of material.

Fed. Spec. number, if applicable.

Manufacturer's stock number and date of manufacturer.

Manufacturer's name.

Contents by volume, for major pigment and vehicle constituents.

Thinning instructions.

Application instructions.

Color name and number.

1.5.2 Store materials not in actual use in tightly covered containers. Maintain containers used in storage of paint in a clean condition, free of foreign materials and residue.

Protect from freezing where necessary. Keep storage area neat and orderly. Remove oily rags and waste daily. Take all precautions to ensure that workmen and work areas are adequately protected from fire hazards and health hazards resulting from handling, mixing and application of paints.

1.6 JOB CONDITIONS:

1.6.1 Apply water-base paints only when temperature of surfaces to be painted and surrounding air temperatures are between 50 degrees F (10 degrees C) and 90 degrees F (32 degrees C), unless otherwise permitted by paint manufacturer's printed instructions.

1.6.2 Apply solvent-thinned paints only when temperature of surfaces to be painted and surrounding air temperatures are between 45 deg F (7 deg C) and 95 deg F (35 deg C), unless otherwise permitted by paint manufacturer's printed instructions.

1.6.3 Do not apply paint in snow, rain, fog or mist; or when relative humidity exceeds 85%; or to damp or wet surfaces; unless otherwise permitted by paint manufacturer's printed instructions.

Painting may be continued during inclement weather if areas and surfaces to be painted are enclosed and heated within temperature limits specified by paint manufacturer during application and drying periods.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

2.1.1 Manufacturer: Subject to compliance with requirements, provide products of one of the following:

Glidden Coatings and Resins, Division of SCM Corporation (Glidden).

Pratt and Lambert (P & L).

The Porter Paint Company

The Sherwin-Williams Company (S-W).

2.2 MATERIALS:

2.2.1 Material Quality: Provide best quality grade of various types of coatings as regularly manufactured by acceptable paint materials manufacturers. Materials not displaying manufacturer's identification as a standard, best-grade product will not be acceptable.

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2.2.2 Federal Specifications establish minimum acceptable quality for paint materials. Provide written certification from paint manufacturer that materials provided meet or exceed these minimums.

2.2.3 Manufacturer's products which comply with coating qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use when acceptable to Architect. Furnish material data and manufacturer's certificate of performance to Architect for any proposed substitutions.

2.2.4 Color Pigments: Pure, non-fading, applicable types to suit substrates and service indicated.

2.2.5 Lead content in pigment, if any, is limited to contain not more than 0.5% lead, as lead metal based on the total non-volatile (dry-film) of paint by weight.

This limitation is extended to interior surfaces and those exterior surfaces, such as stairs, decks, porches, railings, windows, and doors which are readily accessible to children under seven years of age.

PART 3 - EXECUTION

3.1 INSPECTION:

3.1.1 Applicator must examine areas and conditions under which painting work is to be applied and notify Contractor in writing of conditions detrimental to proper and timely completion of work. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to Applicator.

Starting of painting work will be construed as Applicator's acceptance of surfaces and conditions within any particular area.

Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to formation of a durable paint film.

3.2 SURFACE PREPARATION:

3.2.1 General: Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions and as herein specified, for each particular substrate condition.

Provide barrier coats over incompatible primers or remove and reprime as required. Notify Architect in writing of any anticipated problems in using the specified coating systems with substrates primed by others.

Remove hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be finish-painted, or provide surface-applied protection prior to surface preparation and painting operations. Remove, if necessary, for complete painting of items and adjacent surfaces. Following completion of painting of each space or area, reinstall removed items.

Clean surfaces to be painted before applying paint or surface treatments. Remove oil and grease prior to mechanical cleaning. Program cleaning and painting so that contaminants from cleaning process will not fall onto wet, newly-painted surfaces.

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3.2.2 Cementitious Materials: Prepare cementitious surfaces of concrete, concrete block, cement plaster and cement-asbestos board to be painted by removing efflorescence, chalk, dust, dirt, grease, oils, and by roughening as required to remove glaze.

Determine alkalinity and moisture content of surfaces to be painted by performing appropriate tests. If surfaces are found to be sufficiently alkaline to cause blistering and burning of finish paint, correct this condition before application of paint. Do not paint over surfaces where moisture content exceeds that permitted in manufacturer's printed directions.

Clean concrete floor surfaces scheduled to be painted with a commercial solution of muriatic acid, or other etching cleaner, Flush floor with clean water to neutralize acid, and allow to dry before painting.

3.2.3 Wood: Clean wood surfaces to be painted of dirt, oil, or other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sandpaper smooth those finished surfaces exposed to view, and dust off. Scrape and clean small, dry, seasoned knots and apply a thin coat of white shellac or other recommended knot sealer, before application of priming coat. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood-filler. Sandpaper smooth when dried.

Prime, stain, or seal wood required to be job-painted immediately upon delivery to job. Prime edges, ends, faces, undersides, and backsides of such wood, including cabinets, counters, cases, paneling.

When transparent finish is required, use spar varnish for backpriming.

Seal tops, bottoms, and cut-outs of unprimed wood doors with a heavy coat of varnish or equivalent sealer immediately upon delivery to job.

3.2.4 Ferrous Metals: Clean ferrous surfaces, which are not galvanized or shop-coated, of oil, grease, dirt, loose mill scale and other foreign substances by solvent or mechanical cleaning.

Touch-up shop-applied prime coats wherever damaged or bare, where required by other sections of these specifications.

Clean and touch-up with same type shop primer.

Galvanized Surfaces: Clean free of oil and surface contaminants with non-petroleum based solvent.

3.2.5 MATERIALS PREPARATION:

3.2.5.1 Mix and prepare painting materials in accordance with manufacturer's directions.

3.2.5.2 Maintain containers used in mixing and application of paint in a clean condition, free of foreign materials and residue.

3.2.5.3 Stir materials before application to produce a mixture of uniform density, and stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.

3.3 APPLICATION:

3.3.1 General: Apply paint in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.

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Surface treatments, and finishes, are indicated in "schedules" of the contract documents.

Provide finish coats which are compatible with prime paints used.

Apply additional coats when undercoats, stains or other conditions show through final coat of paint, until paint film is of uniform finish, color and appearance. **THE ARCHITECT SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF PAINT COVERAGE.** Give special attention to insure that surfaces, including edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.

Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Paint surfaces behind permanently fixed equipment or furniture with prime coat only before final installation of equipment.

Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-specular black paint.

Paint back sides of access panels, and removable or hinged covers to match exposed surfaces.

Finish exterior doors on tops, bottoms and side edges same as exterior faces, unless otherwise indicated.

Sand lightly between each succeeding enamel or varnish coat.

Omit first coat (primer) on metal surfaces which have been shop-primed and touch-up painted, unless otherwise indicated.

3.3.2 Scheduling Painting: Apply first-coat material to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

Allow sufficient time between successive coatings to permit proper drying. Do not recoat until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

3.3.3 Minimum Coating Thickness: Apply materials at not less than manufacturer's recommended spreading rate, to establish a total dry film thickness as indicated or, if not indicated, as recommended by coating manufacturer.

3.3.4 Prime Coats: Apply prime coat of material which is required to be painted or finished, and which has not been prime coated by others.

Re-coat primed and sealed surfaces where there is evidence of suction spots or unsealed areas in first coat, to assure a finish coat with no burn-through or other defects due to insufficient sealing.

3.3.5 Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness or other surface imperfections will not be acceptable.

3.3.6 Transparent (Clear) Finishes: Use multiple coats to produce glass-smooth surface film of even luster. Provide a finish free of laps, cloudiness, color irregularity, runs, brush marks, orange peel, nail holes, or other surface imperfections.

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Provide satin finish for final coats, unless otherwise indicated.

3.3.7 Completed Work: Match approved samples for color, texture and coverage. Remove, re-finish or repaint work not in compliance with specified requirements.

3.4 FIELD QUALITY CONTROL:

3.4.1 The right is reserved by Owner to invoke the following material testing procedure at any time, and any number of times during period of field painting:

Engage services of an independent testing laboratory to sample paint being used. Samples of materials delivered to project site will be taken, identified and sealed, and certified in presence of Contractor. Testing laboratory will perform appropriate tests for any or all of following characteristics: Abrasion resistance, apparent reflectivity, flexibility, washability, absorption, accelerated weathering, dry opacity, accelerated yellowness, recoating, skinning, color retention, alkali resistance and quantitative materials analysis.

If test results show that material being used does not comply with specified requirements, Contractor may be directed to stop painting work, and remove non-complying paint; pay for testing; repaint surfaces coated with rejected paint; remove rejected paint from previously painted surfaces if, upon repainting with specified paint, the two coatings are non-compatible.

3.5 CLEAN-UP AND PROTECTION:

3.5.1 Clean-Up: During progress of work, remove from site discarded paint materials, rubbish, cans and rags at end of each work day.

Upon completion of painting work, clean window glass and other paint-spattered surfaces. Remove spattered paint by proper methods of washing and scraping, using care not to scratch otherwise damage finished surfaces.

3.5.2 Protection: Protect work of other trades, whether to be painted or not, against damage by painting and finishing work. Correct any damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.

Provide "Wet Paint" signs as required to protect newly-painted finishes. Remove temporary protective wrappings provided by others for protection of their work, after completion of painting operations.

At completion of work of other trades, touch-up and restore all damaged or defaced surfaces.

PAINT SCHEDULE:

3.7.1 General: Provide following paint systems for the various substrates, as scheduled.

Concrete Masonry Units: scheduled for Semi-Gloss Alkyd Enamel Finish,

2 Coats over filled surface with total dry film thickness not less than 3.5 mils, excluding filler coat.

Heavy Filler Coat: Solvent-Thinned Block Filler (FS TT-F-1098). Apply filler coat with roller at a rate to ensure complete coverage with pores filled. NOT SPRAYED

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Glidden: Y-5317 Line Ultra-Hide Acrylic Block Filler.
S-W: S-W Pro-Mar Block Filler.

First Coat: Enamel Undercoater (FS TT-E-543).

Glidden: Y-5019-PVA Primer.
S-W: S-w Pro-Mar Alkyd Semi-Gloss Enamel.

Second Coat: Odorless Interior Alkyd Semi-Gloss Enamel (FS TT-E-509).

Glidden: Y-4600 Line - Spred Lustre.
S-W: S-W Pro-Mar Alkyd Semi-Gloss Enamel.

3.7.2 Gypsum Drywall Systems: Washable 100% Acrylic Eggshell Enamel Finish: Primer and 2 finish coats.

First Coat: Interior Latex Base Primer Coat .

ICI Prep and Prime LM9118

Second and Third Coats: Odorless Interior Semi-Gloss Alkyd Enamel (FS TT-E-509).

ICI Dulux Lifemaster 9300-XXX

3.7.3 Ferrous Metal: Semi-Gloss Enamel Finish: 2 Coats over primer, with total dry film thickness not less than 2.5 mils.

Prime Coat: Rust inhibitive primer. Prime coat is not required on items delivered shop primed. (FS TT-P-664)

Glidden: 5207 Glid-Guard Tank and Structural Primer - White.
Moore: Iron-Clad Retardo Rust Inhibitive Paint.
P & L: S 4551 Tech-Gard High Performance Rust Inhibitive Primer.

First Coat: Interior Enamel Undercoat (FS TT-E-543).

Glidden: 8200 Series Spred Ultra Latex Semi-Gloss Enamel.
Moore: Moore's Alkyd Enamel Underbody #217.
P & L: Z/F 4100 Series Accolade Interior Semi-Gloss.

Second Coat: Odorless Interior Semi-Gloss Enamel (FS TT- E-509).

Glidden: 8200 Series Spred Ultra Latex Semi-Gloss Enamel.
Moore: Moore's Reagal AquaGlo Vinyl-Acrylic Latex Enamel #333.
P & L: Z/F 4100 Series Accolade Interior Semi-Gloss.

3.7.4 Zinc Coated Metal: and where Semi-Gloss Finish is scheduled:
2 Coats over primer, with total dry film thickness not less than 2.5 mils.

Prime Coat: Zinc Dust - Zinc Oxide Primer Coating (FS TT-P-641).

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Glidden: Y-5229 - Glid-Guard All-Purpose Metal Primer.
S-W: S-W Galvanized Iron Primer.

Second Coat: Interior Enamel Undercoat (FS TT-E-543).

Glidden: Y-4600 Series Spred Lustre Semi-Gloss Enamel.
S-W: S-W Pro-Mar Alkyd Semi-Gloss.

Third Coat: Odorless Interior Alkyd Semi-Gloss Enamel (FS TT-P-509).

Glidden: Y-4600 Line - Spred Lustre Semi-Gloss
S-W: S-W Pro-Mar Alkyd Semi-Gloss Enamel.

First Coat - One coat Sherwin Williams Conc & Terrazo sealer series B44 V22

END OF SECTION 09900