



ARCHITECTURE
ENGINEERING

April 14, 2011

Re: **TRI-COUNTY COUNCIL MULTI-PURPOSE CENTER SHORE**
TRANSIT TENANT FIT OUT
Salisbury, Maryland
2009145.00

ADDENDUM TWO

The contract documents for the above referenced project, dated March 29, 2011 are amended as follows:

CLARIFICATION

1. Building Permit fees are the responsibility of the owner and have been submitted to Wicomico County for both building permit and fire protection review. Building Permit drawings were submitted to Wicomico County Public works (Jim Laws/Bill Mister) on 4/6/2011. Permit drawings for fire protection review will be submitted on 4/15/2011 (Ed Tourbert)
2. Refer to the attached Transit dispatch equipment specification (section 27 00 00-Communications-Dispatch consoles) for the (2) dispatch consoles that are to be located in Room 113. Attached spec and equipment is to replace the GAI-Tronics-Command PLUS Dispatch Console that is noted on drawing 3/A401.
3. Refer to the Attached Bidders Questions & Answer log for replies to RFI's received prior to 4/14/11

PROJECT MANUAL

1. **TABLE OF CONTENTS**

- a. ADD SECTION 270000 Communications-Dispatch Consoles

2. **SECTION 096723 – RESINOUS FLOORS**

- a. REPLACE subparagraph 2.1.A with the following:

2.1 RESINOUS FLOORING AT TOILET ROOMS – (EPX on finish schedule)

- A. Basis of Design Product: Subject to compliance with requirements, provide Stonblend GSI as manufactured by Stonhard, Inc. Contact Bob Stein (800)854-0310. Acceptable alternate products are listed below.
 1. Cole Diamond Diverse Epoxy System as manufactured by Cole Diamond Flooring, Inc. Contact (410) 810-0220.
 2. Stonshield HRI as manufactured by Stonhard, Inc. Contact Bob Stein (800)854-0310.
 3. TPM #115-U1 as manufactured by General Polymers. Contact Don Garrity (215) 837-6708.

3. **SECTION 270000 COMMUNICATIONS – DISPATCH CONSOLES**

- a. ADD section in its entirety.



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DRAWINGS

1. SHEET 3/A401

- a. Replace note on detail 3-Enlarged Plan – Dispatch 113 “Gai-Tronics Dispatch Console or Equal. See MEP Drawings and spec for details “ with “Dispatch equipment refer to spec section 270000. Coordinate with mechanical and electrical drawings and not in contract areas of building as required”

Attachments: Bidders Questions & Answers
 Section 270000, Communications-Dispatch Consoles
 General Polymers TPM #115-U1Decorative Troweled Mortar

END OF ADDENDUM NO. TWO

200914500_Addendum2-rebid.doc

BECKER MORGAN GROUP
TCC-MULTI PURPOSE CENTER-SHORE TRANSIT -REBID
BIDDERS' QUESTIONS & ANSWERS THROUGH 4/13/11

Q #	ANSWER BY - SKETCH	QUESTION / COMMENT	ANSWER	SPEC. DIV.
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New Questions			Addendum #2-April 13,2011	
1	BMG MTA	<p>It is my understanding from reading the DBE forms that only forms A and B must be submitted with the bid and then forms C and D with in 10 days after notice of award.</p> <p>This is not consistent with your invitation to bid</p> <p>Please confirm</p>	MTA is requiring all DBE forms (A,B,C & D) to be submitted with the Bid to ensure they are filled out correctly.	00
2	SPA	Drawing M001, the plumbing fixture schedule P-1 and P-1A calls for a wall mounted water closet. The plumbing fixture section 224000 calls for a floor mounted water closet. Please clarify.	On drawing M001 there are water closets on the schedule for P-1 and P-1A to be wall mounted, there are also water closets labeled P-7 and P-7A that are to be floor mounted. Specification 224000, 2.01 A specifies Floor Mounted fixtures; 224000, 2.01 B specifies Wall Hung fixtures. Please refer to the plans/keynotes for the locations of the specific fixtures.	22
3	SPA	Specification section 232113-2.01A calls for using K type copper for the domestic water. Can type L copper be used?	Yes, the specification should call for Type L, not Type K.	23
4	BMG MTA	MDOT DBE Form A Clearly states that we have ten days from notice of award to provide Forms C and D. I ask this again only because it is extremely difficult to put the bid together and forms A and B. Forms C and D make it even more difficult to put a bid together as well as provide all of the paperwork. We are only asking for what is stated in the Federal Paperwork. Please re-evaluate	All 4 forms (A,B,C & D) are required. If not submitted, application is incomplete.	00
5	SPA	Drawing E-301, back corridor. Is the 100amp feeder to panel RD suppose to read panel RJ? Panel RD is shown on drawing E-501 fed from transformer T3.	The present statement reads "100A FEEDER TO PANEL RD". It should have read: "100A FEEDER TO PANEL RDP"	26
6	SPA	Drawing E-004 – Panel RDP circuit #8. Panel RJ uses (4) – #1/0 and #6 ground in a 2" conduit. Drawing E-501 shows Panel RJ using (4) - #4/0	The feeder on BOTH the IOTT drawings and the B/M drawings should read "4 #1/0, 1 #6G, 2"C"	26

BECKER MORGAN GROUP
TCC-MULTI PURPOSE CENTER-SHORE TRANSIT -REBID
BIDDERS' QUESTIONS & ANSWERS THROUGH 4/13/11

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		and #6 ground in a 2-1/2" conduit. Which is correct?		
7	SPA	RAC-4 is located on the 1 st floor roof, but is to be fed from HVAC-2 panel on the 2 nd floor. Is it acceptable to relocate feeds to Panel SWBO using the spares/spaces that are available?	NO. The 'original' distribution of the building had all the mechanical equipment on 'HVAC' panels. We do not want to deviate from that thought process. Although there is available space in the building's main switchboard, Panel SWBD, we want those available spaces reserved for future power distribution equipment; panelboards, transformers, etc.	26
8	SPA	Drawings to do indicate if we are using single or two gang device rings. We are install single gang, is this acceptable?	We take no exceptions to the 'means and methods' to achieve the contract documents. We prefer multi-gang boxes w/ common coverplates when possible over individual boxes w/ individual coverplates next to each other. Final decisions should be made by the Architect and the Owner's Representative.	26
9	SPA	Fixture Type A and B call for high-low ballast. In various locations, the fixtures are controlled by only one switch. Are high-low ballast required in these areas or do we need to provide an additional switch?	There are many high-low type ballasts required for high-low ballast lighting throughout the facility and we acknowledge that there are some areas that do not require the two-level lighting. For simplicity and for future provisions, we specified ALL types A & B fixtures throughout w/ high-low ballasts. Having high-low ballasts available throughout allows for future capabilities; future interior renovations will/may occur. For those areas requiring only a single local wall switch, wire the fixtures for the 'high' level circuitry; for all 'on' and all 'off' control.	26
10	BMG	Is General Polymers TPM #115-U1 (see attached spec sheet) an acceptable equivalent to Stonblend GSI for the epoxy floor areas?	General Polymers TPM-U1 is not an equivalent to Stonblend GSI.. However General Polymers TPM-U1 as well as Stonhard's HRI are acceptable alternates to the basis of design system (Stonblend GSI) See project manual clarifications for section 096723 issued via this addendum.	09
11	BMG	Drawing AD101 note #2, this should be NIC. Please Confirm	Demolition of masonry wall area marked with note #2 at existing mens room is part of this contract. Door and frame are NIC. Work should be coordinated with IOTT/Zimmer Project as required	02
12	BMG	Drawing AD101 note #8 @ the last door in the hall before angled wall,	Correct, removal of this door and frame is NIC. That work is shown in IOTT/Zimmer	02

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TCC-MULTI PURPOSE CENTER-SHORE TRANSIT -REBID
BIDDERS' QUESTIONS & ANSWERS THROUGH 4/13/11

Q #	ANSWER BY - SKETCH	QUESTION / COMMENT	ANSWER	SPEC. DIV.
		this should be NIC. Please Confirm	part of project.	
13	BMG	Drawing AD 101 Note #15, this should be NIC. Please Confirm	Removal of door and hardware and prep of existing frame is part of this contract at existing mens and womens room. New door/hardware and installation is NIC. That work is shown in IOTT/Zimmer part of project	02

SECTION 270000 – COMMUNICATIONS - DISPATCH CONSOLES

PART 1 – GENERAL

1.1 SUMMARY

- A. The Tri-County Council currently uses a Motorola single site LTR trunked radio system for Shore Transit, provided by Teltronic Inc. Teltronic Inc. owns, operates and maintains the radio network. Tri-County Council leases air time on the system from Teltronic. It is Tri-County Council intent to add two PC, IP based Dispatch Consoles to their existing capabilities. The new dispatch positions will be located in Room 113 of the new Tri-County Multi-Purpose Center located on Comteck Lane, Salisbury, MD. The supporting radio equipment will be located in the 2nd floor server room. The dispatch consoles will allow for central dispatch and monitoring of 6 radio talkgroups. The console positions and all related radio equipment shall be powered by standard 110V AC with UPS backup support for no less than 1 hour. The winning bidder shall include all required hardware, software, programing and installation for a complete working system.

1.2 SUBMITTALS

- A. The successful bidder shall provide product data sheets for each system component to include all hardware and software. A basic system diagram noting equipment locations and connectivity requirements shall be provided with a brief system overview.

1.3 QUALITY ASSURANCE

- A. **Installer Qualifications:** The successful bidder must use a Motorola authorized service center with adequate system and console experience to successfully complete the installation of all hardware and software as described in this document. Upon request, bidders must provide 2 or more references for installations similar in material, design, and scope. After award, the successful bidder must coordinate all installation and programing of radios onto the Teltronic owned and operated single site LTR trunked radio system. All coordination of radio ID's and frequency information shall be obtained through Teltronic's Salisbury facility, located at 2016 Windsor Drive Salisbury, MD 21801. All coordination shall be through Justin Dysart at 410-742-1185.

- 1. All installation must conform to the Motorola R56 Communications Site Standards

1.4 PERFORMANCE REQUIREMENTS

- A. The consoles shall utilize a TurboVUI dispatch solution. The TurboVui console offering shall include at a minimum: Dispatch software, gateway hardware and required licensing. Minimal console features to include: Select and unselect volume, cross-channel patch, multi-select, texting, private call, cross-mute, all call, all text, all emergency, call status, system status, and recent history reports. The dispatch console must also allow for logging recorders and mapping if desired at a later date.

PART 2 - PRODUCTS

2.1 REQUIRED SYSTEM PRODUCTS

- A. CTI TurboVUI Dispatch client and applicable licenses
 - 1. Tri-County Council will provide the necessary PC's to meet the following specifications:
 - a. Operating System: Windows XP Pro, Vista Business, or 7
 - b. Processor: Intel Core 2 Duo
 - c. Memory: 4 G Bytes
 - d. Graphics: Integrated
 - e. Network Connection: Integrated
 - f. Sound: Integrated with external speakers
 - g. 1st Hard Disk: 160 G Bytes (Operating System)
 - h. 2nd Hard Disk: 500 G Bytes (History Logging)
 - i. CTI TurboVUI Dispatch client will operate on the Tri-County Council LAN
 - I. Tri-County Council will provide the necessary IP's and will assist with their LAN configurations Operating software.
- B. Six (6) Motorola XPR4550 UHF mobiles with enhanced LTR/Passport option. XPR4550 mobiles shall include all required software and hardware to operate on the LTR trunked radio system and include all necessary installation hardware to include AC power supplies and antenna network.
 - 1. Mobile Radio Antenna System:
 - a. LMR-400 coax cable and associated, antennas, filtering to minimize interference from co-located radios, adequate lightning suppression, grounding, jumpers and mounting hardware for a complete antenna system.
 - b. Non-penetrating roof mount with a mast suitable for up to six (6) high gain yagi antennas
 - c. Non-penetrating roof mount support mats
 - d. Non-penetrating roof mount ballasts

C. Site Grounding/ Lighting Protection

1. Must meet Motorola R56 Communications Site Standards

PART 3 – EXECUTION

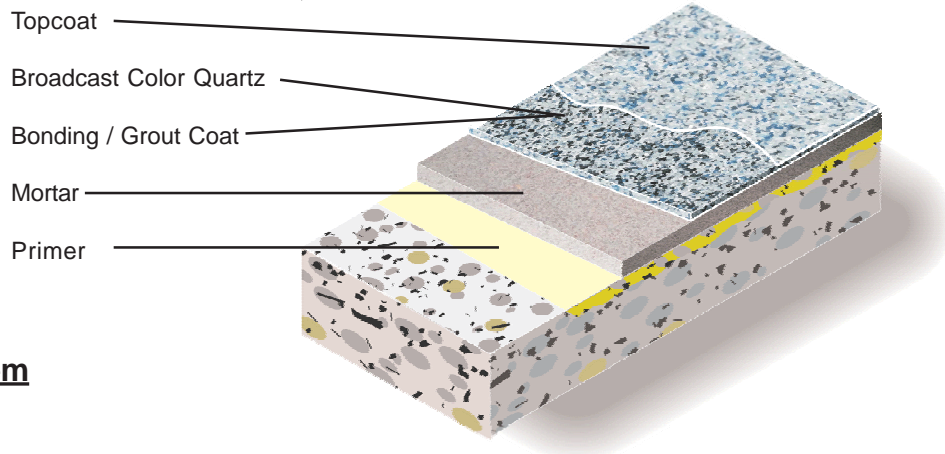
- 3.1 EXAMINATION: Upon completion, Shore Transit shall inspect all installation and system programming to ensure all required features and hardware has been installed correctly and operation satisfactorily.
- 3.2 INSTALLATION, GENERAL: The successful bidder will be responsible for supplying all required hardware, software and interfaces for a complete working system. Tri-County Council will provide the necessary IP's and will assist with their LAN configurations Operating software.
- 3.3 CLEANING AND PROTECTION: The successful bidder will be responsible for all Site cleanup. No tools are to be left out overnight and all supplies shall be removed from traffic areas. While on site, all applicable OSHA safety procedures shall be implemented.

END OF SECTION 270000



TPM® #115-U1 Decorative Troweled Mortar

General Polymers TPM #115-U1 DECORATIVE TROWELED MORTAR System is a 3/16" protective resurfacing systems utilizing an epoxy and silica aggregates mortar, high build grout and seal coats and selected decorative aggregates where a heavy duty decorative flooring system is required.



3/16" System

Advantages

- High solids
- VOC compliant for minimal odor during installation
- Protects substrates from heavy conditions of thermal shock, impact and wear
- Resists degradation from many chemicals, acids and alkalis
- Wide range of colors available
- Varied skid inhibittance
- Available with an antimicrobial agent

Uses

- Commercial kitchens, locker rooms, showers
- Healthcare facilities
- Pharmaceuticals
- Food and beverage facilities

Typical Physical Properties

Color	Standard Pre-Blended Colors Custom color matching available upon request
Hardness, Shore D ASTM D 2240	80/65
Compressive Strength ASTM C 579	15,000 psi
Tensile Strength ASTM C 307	1,700 psi
ASTM D 638	6,000 psi
Flexural Strength ASTM C 580	3,700 psi
Adhesion ACI 503R	350 psi 100% concrete failure
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	70-90 mgs lost
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
Flammability	Self-extinguishing over concrete

ASTM C = Mortar system
ASTM D = Resin only

Installation

The following information is to be used as a guideline for the installation of the TPM #115-U1 DECORATIVE TROWELED MORTAR Systems. Contact the Technical Service Department for assistance prior to application.

Surface Preparation - General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

Surface Preparation - Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a General Polymers system filler. For recommendations, consult the Technical Service Department.

Temperature

Throughout the application process, substrate temperature should be 50°F - 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible.

Application Information @ 3/16"

Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer 3579	2:1	250 sq. ft. / gal	3 or 15 gals
Mortar 3561 5115	4:1	66 sq. ft. / 1¼ gal 70 lbs / 1¼ gal	1.25 - 250 gals 50 lbs
Bonding Grout Coat 3744G	2:1	100 sq. ft. / gal	3 or 15 gals
Broadcast 5900F	For seeding	To Excess 0.4 lbs. / sq. ft.	50 lbs
Seal Coat 3744	2:1	100 sq. ft. / gal	3 or 15 gals

*** Additional 5115 aggregate may be added to 1.25 gallon of mixed epoxy to facilitate power troweling. 10 lbs. recommended**

Different optional seal coats - Consult individual Technical Data Sheets for mixing and application instructions.

3461 AquArmor Gloss Topcoat

Primer

Mixing and Application

1. Premix 3579A (resin) and 3579B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to whip air into the material.

2. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Apply via brush, roller, or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait for primer to become tacky (usually 1 hour minimum). This prevents primer from bleeding through and sliding during mortar placement. If primer is to be allowed to cure for more than 4 hours, broadcast lightly but uniformly with clean, dry 40-60 mesh aggregate.

Mortar

Mixing and Application

1. Premix 3561 A (resin) and 3561 B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to whip air into the material.

2. Add 1 gallon 3561A (resin) to 1 quart 3561B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Place mixed 3561 into mortar mixer. Slowly add 70 pounds of 5115 aggregate. Mix until aggregate is thoroughly 'wet out'. Immediately dump mortar onto substrate and screed to desired thickness.

3. Compact and smooth the mortar using a hand or power trowel. Allow to cure (Cure times vary depending on environmental conditions).

Bonding Grout Coat

Mixing and Application

1. Premix 3744GA (resin) and 3744B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to whip air into the material.

2. Add 2 parts 3744GA (resin) to 1 part 3744B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform.

3. Apply 3744G using a steel trowel or red rubber squeegee and back roll with a 3/8" nap roller at a spread rate of 100 sq. ft. per gallon.

4. Broadcast 5900F to excess into the wet bonding coat. Allow to cure (Cure times vary depending on environmental conditions) before applying seal coat.

Seal Coat

Mixing and Application

1. Sweep off using a clean, stiff bristled broom or vacuum to remove excess aggregate.

2. Premix 3744A (resin) and 3744B (hardener) separately, using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to whip air into the material.

3. Add 2 parts 3744A (resin) to 1 part 3744B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform.

4. Apply 3744 using a spring steel trowel or red rubber squeegee and back roll using a 1/4" nap roller at a spread rate of 100 sq. ft. per gallon. Allow to cure 24 hours minimum before opening to traffic.

Note: Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure 2-3 days prior to exposure to water or other chemicals for best performance.

Different optional seal coats - Consult individual Technical Data Sheets for mixing and application instructions.

3461 AquArmor Gloss Topcoat

Application Equipment

Brush / Roller

Use 1/4" phenolic core rollers and professional quality, medium stiff natural bristle brushes.

Trowel

Use steel finishing trowel or epoxy mortar power trowel such as manufactured by Superior.

Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

Safety

Refer to the MSDS sheet before use. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

Shipping

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.



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