

1316 COUNTY-CITY BUILDING
227 W. JEFFERSON BOULEVARD
SOUTH BEND, INDIANA 46601-1830



PHONE 574/ 235-9251
FAX 574/ 235-9171
TDD 574/ 235-5567

CITY OF SOUTH BEND STEPHEN J. LUECKE, MAYOR
BOARD OF PUBLIC WORKS

Date: 2/5/08
To: All Contractors/Vendors
From: Linda M. Martin, Clerk
Subject: Addendum Number: 2
Project Name: Eddy Street Commons Phase II Parking Garage
Project Number: 108-004

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM

Date Received: _____

This addendum is being forwarded to you for the above referenced project.

Please sign below and acknowledge receipt of this Addendum by faxing this sheet to the Board of Public Works at (574) 235-9171 within 24 hours of receipt. THIS ADDENDUM MAY AFFECT YOUR BID.

Notes:

Company: _____

Authorized Signature: _____

Date: _____

ENGINEERING
CARL LITRELL, P.E.
574/ 235-9251
FAX 574/ 235-9171

ENVIRONMENTAL SERVICES
JOHN J. DILLON, PH.D.
574/ 277-8515
FAX 574/ 277-8980

CENTRAL SERVICES
MATT CHLEBOWSKI
574/ 235-9316
FAX 574/ 9007

STREETS
SAM HENSLEY
574/ 235-9244
FAX 574/ 235-9272

WATER WORKS
JOHN F. STANCATI
574/ 235-9322
FAX 574/ 235-9728

ADDENDUM # 2

February 8, 2008

PROJECT: Eddy Street Commons Phase II Parking Garage
1200 Edison Road
South Bend, Indiana

City Project No. 108-004

OWNER: City of South Bend
Board of Public Works
1316 County-City Building
South Bend, IN 46601

**CONSTRUCTION
MANAGER:** Kite Realty Group
30 South Meridian Street, Suite 1100
Indianapolis, IN 46204

**ARCHITECT/
ENGINEERS:** Fink Roberts & Petrie, Inc.
4040 Vincennes Circle, Suite 300
Indianapolis, IN 46268

Looney Ricks Kiss
175 Toyota Plaza
Memphis, TN 38103

Circle Design Group
5510 South East Street, Suite F
Indianapolis, IN 46227

Walker Parking Consultants
6602 East 75th Street, Suite 210
Indianapolis, IN 46250

The Troyer Group
550 Union Street
Mishawaka, IN 46554

**Eddy Street Commons Parking Garage – Phase II
South Bend, Indiana
City Project No. 108-004**

**Addendum No. 2
February 8, 2008**

Pre-Bid Meeting Minutes from February 4, 2008 and Attendees list provided directly after written descriptions.

CONTRACTOR QUESTIONS: (Questions summarized)

1. Specification Section 03300 paragraph 2.3 H refers to microsilica concrete. Is microsilica required in any concrete mix?
Answer: Microsilica is not required nor is it to be used. This specification section will be deleted in this Addendum.
2. Is Slag Cement allowed for use as partial replacement of the total cementitious content and if so can it be used in conjunction with flyash and what are the acceptable rates?
Answer: Slag Cement is allowed. The specifications will be amended in the Addendum to provide details and rates.
3. Are specifications and more details available for the aluminum architectural grills shown on A301 and A301A? Specification Section 05500 does not include architectural metals.
Answer: The architectural grilles are specified in Specification Section 10240, Architectural Grilles.
4. Do the concrete columns at the East and West end of the garage extend beyond the fourth floor? Plans and Sections differ.
Answer: The Structural and Architectural plans, S105 and A105 correctly depict which columns extend above and which terminate at the fourth floor. The sections will be modified accordingly.
5. Is the following product acceptable as a standard for Expansion Joint Sealing System for Specification Section 07100 – 2.2B: Model WF by Construction Specialties.
Answer: Yes. Section 07100 – 2.2B will be revised in this Addendum to include.
6. Are the following products acceptable as standards for Elastomeric Joint Sealants and Traffic Bearing Membranes for Specification Section 07100 – 2.3B, 2.3C and 2.5 B: NP-2 by Sonneborn, SL-2 by Sonneborn and Sonoguard, by Sonneborn.
Answer: Yes. The Sonoguard shall be Heavy Duty. Please note at this time there is no Traffic Bearing Membrane required. These products will be added to their respective Specification Sections in this Addendum.

REVISIONS TO PROJECT MANUAL

SECTION 03300 – CAST-IN-PLACE CONCRETE:

- 1. Paragraph 2.3 H – Delete in its entirety without substitution
- 2. Section 1.3 – Add part X. ASTM C989 – Ground Granulated Blast Furnace Slag for use in Concrete.
- 3. Section 2.1 – Add part M. Slag Cement: ASTM C989, Grade 120.
- 4. Section 2.3 – Delete Paragraph H in its entirety without substitution.
- 5. Section 2.3 – Add paragraphs L and N as follows:
 - L. Slag Cement may be used as a substitute for Portland Cement on a pound for pound basis. The maximum substitute rate shall be 30% for all classes of concrete.
 - M. When Slag Cement and flyash are used in the same concrete mix, the maximum substitution rate for Slag Cement and flyash shall comply with the following:

Portland Cement/Slag Cement/Flyash Ratio

All Classes of Concrete.....70%/20%/10%

SECTION 07100 – DECK WATERPROOFING

- 1. Section 2.2 B – Add e. Model WF by Construction Specialties.
- 2. Section 2.3 B – Add d. NP-2 by Sonneborn.
- 3. Section 2.3 C – Add d. SL-2 by Sonneborn.
- 4. Section 2.5 B – Add 5. Sonoguard, Heavy Duty, by Sonneguard.

SECTION 07131 – SELF-ADHERED SHEET WATERPROOFING

Remove this section in its entirety, substitute Section 07135.

SECTION 07135 - HOT FLUID-APPLIED WATERPROOFING

New Section issued in its entirety.

SECTION 08710 – FINISH HARDWARE

Paragraph 2.9 MISCELLANEOUS HARDWARE, Item E remove the words “Pemko 2005AS” and substitute “Pemko 2005AT”.

ATTACHED FULL SIZE DRAWINGS

A202, A301, A301a, A602, A603, A605, A606

ATTACHED 8 ½" x 11" SIZE DRAWINGS

A-SK001, A-SK002

REVISIONS TO DRAWINGS**Drawing A000**

1. Remove the "General Project Notes and Conditions" in their entirety.
2. Add the following to the Vicinity Plan: "City: South Bend; County: St. Joseph; State: Indiana"
- 3.

Drawing A202

1. New Drawing issued in its entirety.

Drawing A301

1. Revised Drawing issued in its entirety.

Drawing A301a

1. Revised Drawing issued in its entirety.

Drawing A302

1. Revise the last two details on this Drawing to be numbered as Details 6 and 7, respectively.

Drawing A402

1. Detail 2 – Revise dimension at top of parapet wall to read "3'-6" MIN. HEIGHT".
2. Detail 2 – Revise section detail reference at canopy to read "3/A607".
3. Detail 3 – Revise section detail reference at aluminum grille to read "5a/A606".
4. Detail 3 – Remove drain pipe, gravel and all associated notes at the bottom of the basement wall in their entirety. Add note as follows: "REFER TO STRUCTURAL FOR BACKFILL REQUIREMENTS."

Drawing A403

1. Detail 1 – Revise both wall section references from "A402" to "A403".
2. Details 1 and 2 – Revise "PANEL SPANDREL" note to read "ALUMINUM COMPOSITE SPANDREL PANEL".
3. Details 2 and 3 – Revise all section detail references from "A604" to "A605".
4. Detail 3 – Revise section detail reference at third level beam to read "9/A605, TYP."

Drawing A404

1. Detail 1 – Reverse the direction of the wall section cut "2/A402" and revise to read "2/A404".
2. Detail 3 – Note the CMU wall at the garage perimeter to be Partition Type "A2", reference Sheet A004.
3. Detail 3 – Remove section detail reference "4/A602 SIM." in its entirety.

4. Detail 3 – Remove the note “3” EXPANSION JOINT (TYP).” in its entirety.
5. Detail 4 – Remove this detail in its entirety.

Drawing A602

1. Revised Drawing issued in its entirety.

Drawing A603

1. Revised Drawing issued in its entirety.

Drawing A604

1. Delete Details 3, 4, and 5 in their entirety.
2. Insert attached Drawing A-SK001 as Detail 3.
3. Insert attached Drawing A-SK002 as Detail 4.

Drawing A605

1. Revised Drawing issued in its entirety.

Drawing A606

1. Revised Drawing issued in its entirety.

Drawing S002

1. In Alternate No. 2 description revise the concrete class replacement description to provide Class F in place of Class D and provide Class H in place of Class E.

Drawing S100

1. Plan Note 2 – Revise U.S.G.S reference elevation from 743’-0” to 742’-0”.

Drawing S101

1. Plan Note 9. – Revise U.S.G.S. reference elevation from 743’-0” to 742’-0”.

Drawing S102

1. Plan Note 3 – Revise U.S.G.S. reference elevation from 743’-0” to 742’-0”.

Drawing S103

1. Plan Note 4 – Revise U.S.G.S. reference elevation from 743’-0” to 742’-0”.

Drawing S104

1. Plan Note 4 – Revise U.S.G.S. reference elevation from 743’-0” to 742’-0”.

Drawing S105

1. Plan Note 4 – Revise U.S.G.S. reference elevation from 743’-0” to 742’-0”.



30 S. Meridian, Suite 1100
Indianapolis, IN 46204
317-577-5600
317-577-7879

Meeting Minutes Eddy Street Garage

February 4th, 2008

1. Carl Littrell gave an overview of the project, discussed FRP as design team, KRG as construction manager, and the City's role in administration.
2. Carl indicated the bid date and time (February 21st, at 9:30 am) the bid requirements, warranty and bonding information.
3. Brief description of the garage was given: Structure's levels, overview of Alternates.
4. All questions by bidders to be routed to Joe Petrolia at FRP (jpetrolia@frpinc.com).
5. City statute prevents addendums from being sent out past 7 calendar days before the bid date. All questions by bidders need to be recorded 9 days prior or February 12th at 5:00 pm.
6. Bid documents allow for 180 days before the city is required to award the project.
7. Overview of the phasing of the project was performed by Jim Hannigan with KRG:
 - i. Garage will be first structure in development.
 - ii. Backfill of lower level walls is critical path on overall development schedule.
 - iii. Backfill to be performed by garage contractor. 22,000 cubic yards should be figured from stockpile illustrated on staging plan.
 - iv. Surrounding buildings: B1, B2, D, are slated to be constructed after the lower level walls are constructed. Coordination between the structures will become extremely important.
8. 180 days for award of project allowed by bid documents.
9. John Hilfiker introduced as the Superintendent for KRG in charge of all phases of the project and is the lead onsite person for KRG.
10. Toy Villa introduced as the City of South Bend inspector who will be involved in the inspections.
11. Plans and specification are available at South Bend Reprographics. Bidders list along with all addendums will be available also.

Eddy Street Garage Pre Bid Meeting Sign In Sheet
 February 4th, 2008

Name	Company	Address	Phone	Email
Tom Jones	Brooks Construction	625 S. Beige St. Mishawaka 46544	574-532-7722	tjjones@brooks1st.com
Chuck Houin	Transit ready Mix Concrete	715 W. Ireland Rd. South Bend, IN 46503	574-291-7100	sbdispatch@transitmixon.com
Larry Riddle	Transit Mix Inc.	2341 W. Jefferson Plymouth, IN 46563	574-291-7100	larry@transitmixon.com
Denny Heckaman	Casteel Construction	23186 W. Ireland Rd., South Bend 46614		dave@casteelcc.com
Clayton Martin	Skanska USA	5250 Lovers LN, Portage MI 49002	269-342-5400	Clayton.martin@skanska.com
Mike Kruk	Carpenters 413	315 N Lafayette Blvd	574-233-2138	Carpenters413@sbcglobal.net
Dave Smith	Stress Con	3102 E Cork St. Kalamazoo, MI 49001	269-665-0678	dsmith@stress-con.com
Larry Roan	Wilhelm	3914 Prospect St. Indianapolis, IN 46023	317-359-5411	larryroan@fawilhelm.com
Jason Barnstable	Ambassador Steel	5402 Rusche Dr. Comstock Park MI	616-647-0204	jbarnstable@ambsteel.com
Mathew Ray	Grand River Construction	5210 36 th Avenue, Hudsonville, MI 49426	616-669-5611	mray@grandriverconstruction.com
Wes Bradds	Baker Concrete	990 N Main Street. Monroe Ohio 45050	513-539-4000	braddsw@bakerconcrete.com
Tony Cave	Bancroft Electric	2218 S. Main Street SB	574-234-1110	Tony.bancroft@att.net

SECTION 07135

HOT FLUID-APPLIED WATERPROOFING

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes hot fluid-applied reinforced waterproofing system on below-grade earth-retaining walls and at elevator pit walls and slabs. Fluid applied waterproofing systems shall include fluid applied membrane along with related sealants, primers, reinforcing fabrics, and protection course.
- B. Coordination with related trades and adjacent construction.

1.2 SUBMITTALS

- A. Product data: Submit product data for each manufactured product and material. Submit manufacturer's instructions for installation of waterproofing material over concrete. Indicate preparation of surfaces, application and protection requirements. Include manufacturer's recommended cleaning agent.
- B. Shop drawings: Submit shop drawings for flashing details not specifically indicated in manufacturer's product data. Provide details at all termination conditions.
- C. Manufacturers letter of intent to warrant project: Submit letters from manufacturers accepting project conditions and related materials to be utilized in conjunction with fluid-applied waterproof membrane agreeing to furnish the specified project warranty at substantial completion of project.
- D. Manufacturers compatibility correspondence: Submit correspondence from manufacturer allowing the use of curing compounds and types should moisture cure of concrete surfaces not be provided.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to project site in manufacturer's original packaging. Store off ground and under cover. Protect from damage, deterioration and contamination.

1.4 JOB CONDITIONS

- A. Ascertain that work of related trades is complete prior to application of waterproofing materials in order to avoid damage to finished system.
- B. Environmental conditions: Install waterproofing materials only when ambient temperature exceeds 40 degrees F. and under dry weather conditions.
- C. Apply waterproofing membrane to concrete substrates which indicate moisture level of 5 percent or less when tested by a moisture meter.
- D. Protection: Protect adjacent construction and materials from damage and defacing by waterproofing operations. Restore or replace adjacent work or materials damaged during handling of waterproofing materials. Provide protection or avoid traffic on completed surfaces.
- E. Surfaces to receive waterproofing system shall be monolithic, clean, smooth, cured, dry, free of voids, projections, grease, oil and foreign material. Commence application only after surfaces are in proper condition to receive membrane system in accordance with manufacturers instructions.
- F. Special requirements: The installation of the fluid-applied waterproof membrane may be required to be completed during evening hours when temperatures are lowest and substrates are not in direct sunlight to restrict pin-holing of the membrane.

1.5 QUALITY ASSURANCE

- A. Qualifications of applicator: Applicator shall be an approved waterproofing contractor certified to install waterproofing systems, which can be warranted by the waterproofing materials' manufacturer. Applicator shall furnish certification from the waterproofing manufacturer certifying that the applicator has satisfactorily applied the type of waterproofing specified on projects which have been completed for at least five years.

1.6 WARRANTIES

- A. Manufacturer's warranty: Furnish waterproofing manufacturer's fifteen (15) -year water-tightness warranty covering waterproofing installation and related products. Warranty shall include labor and materials to correct defects in material and workmanship without limit.
- B. Installer's warranty: Furnish installer's two (2)-year water-tightness warranty covering workmanship for installation of waterproofing assembly to correct defects in installation of membrane without limit.
- C. Warranties shall take effect on Date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FLUID-APPLIED WATERPROOFING SYSTEM

- A. Hot Fluid-Applied, Rubberized-Asphalt Waterproofing Membrane: Single component; 100 percent solids; hot fluid-applied, rubberized asphalt.
- B. Products: Subject to compliance with requirements, provide one of the following:
 - 1. American Hydrotech, Inc.; Monolithic Membrane 6125.
 - 2. Carlisle Coatings & Waterproofing Inc.; CCW-500R.
 - 3. Henry Company; 790-11.
 - 4. Tamko Waterproofing; TW-Hot Melt.
 - 5. Tremco Incorporated; Tremproof 150.
- C. Basis of Design: American Hydrotech, Inc.
 - 1. American Hydrotech, Inc., Monolithic Membrane 6125
 - 2. Surface Conditioner: specifically for priming concrete surfaces, provided by the membrane manufacturer.
 - 3. Flashing: 60-mil thick uncured neoprene sheet; "Flex Flash UN"
 - 4. Reinforcing Fabric: spun-bonded polyester fabric, 1.35 ounces per square yard; "Flex Flash F".
 - 5. Adhesives and Sealants: contact adhesives, splicing cement, and edge sealants manufactured by or as specifically recommended by the membrane manufacturer for each condition.
- D. Protection Course: Contractor's option, as recommended by membrane manufacturer:
 - 1. ASTM D 6506, semi-rigid sheets of fiberglass or mineral-reinforced-asphaltic core, pressure laminated between two asphalt-saturated fibrous liners and as follows:
 - a. Thickness: 1/8 inch, nominal, for vertical applications; 1/4 inch, nominal, elsewhere.
 - 2. Protection Course: Manufacturer's standard, 80- to 90-mil- thick, fiberglass-reinforced rubberized asphalt or modified bituminous sheet.

PART 3 - EXECUTION

3.1 PREPARATION

- A. All surfaces must be dry, smooth, free of surface irregularities, voids, protrusions, and without unapproved release agents, curing compounds, or other deleterious contaminate.
- B. Sweep substrate, and then blow-off using compressed air to remove loose debris.
- C. Apply surface conditioner according to membrane manufacturer's recommendations. Apply at a rate of 300 to 600 square feet per gallon.

- D. Apply test patch of membrane, cure, and test for adhesion.

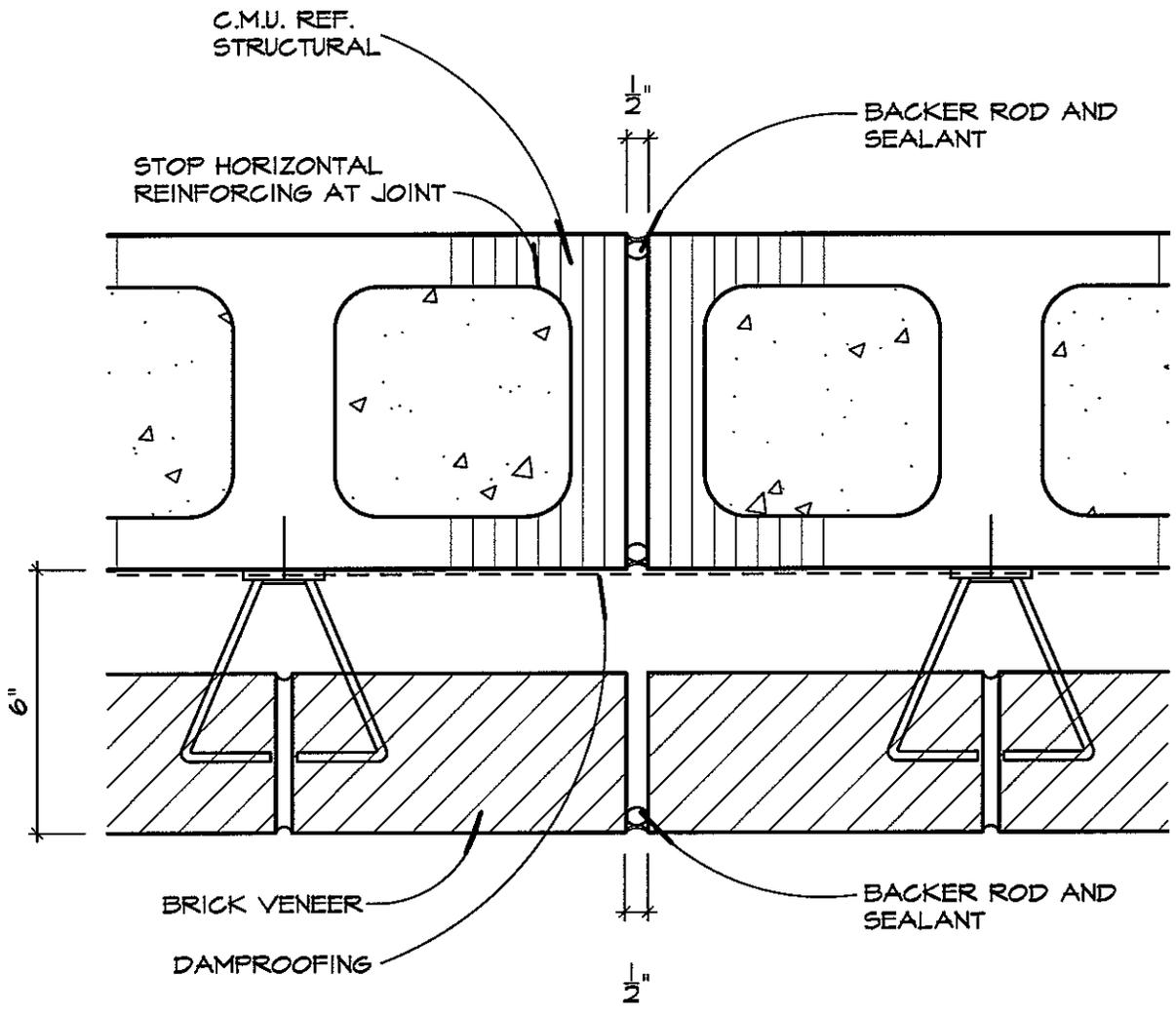
3.2 INSTALLATION

- A. All work shall be in strict accordance with waterproofing manufacturer's published installation instructions and recommended practices for intensive roof gardens.
- B. Heat asphalt material in strict accordance with manufacturer's recommendations and installation instructions.
- C. Apply perimeter flashing and detailing in accordance with manufacturer's standard guideline details.
- D. Apply "Flex Flash" strips over any cracks 1/16-inch wide or more.
- E. Apply the rubberized asphalt membrane at a rate to provide a continuous, monolithic coat of 90 mil minimum. Fully embed a layer of the polyester fabric reinforcing sheet, followed by another continuous monolithic coat of membrane at an average thickness of 125 mil. Total membrane thickness is to be 215 mils average, 180 mils minimum at any point.
- F. Protection Course: Following cure of the membrane waterproofing, install continuous protection layer over all membrane installations. Overlap subsequent sheets of protection course 2 inches.

3.3 CLEANING

- A. Remove all trash, tools, debris and extraneous materials from membrane during the course of work and upon completion of installation.
- B. Clean stains from adjacent surfaces using cleaning agents in accord with manufacturer's product data.

END OF SECTION



VERTICAL EXPANSION JOINT

3" = 1'-0"

Eddy Street Commons
Phase II
Parking Garage
Project Number 108-004

City of South Bend, Indiana

Construction Manager
Kite Realty Group
Structural Engineer
Fink, Roberts & Petrie, Inc.
Architect
Looney Ricks Kiss

Mechanical, Electrical & Plumbing Engineer
Circle Design Group
Parking Consultant
Walker Parking Consultants
Civil Engineer/Landscape Architect
The Troyer Group

Addendum No. 2
02-08-08

Reference Drawing: A604
Revision Number: 1
Drawn by: JG Checked by: JH
Project No.: 108-004 Scale: AS NOTED
Drawing No.:

A-SK002