

Logged in 6/11/10 SW  
Logged out 6/14/10 SW

**CRIFE ARCHITECTS + ENGINEERS**

Architects, Engineers & Surveyors 317-844-6777

PJT. NO. 090324-20000 SUBMIT NO. 03 3000 Cast-in-Place Concrete Re-submittal

- APPROVED  
Fabrication/installation may be undertaken. Approval does not authorize changes to the Contract Sum or Contract Time.
- APPROVED AS CORRECTED (no reqs)
- RESUBMIT: Limit corrections to items marked.
- REJECTED; REVISE & RESUBMIT  
Fabrication and/or installation may NOT be undertaken.

Reviewed only for general conformance with project design concept and general compliance with the Contract Documents. Corrections or comments made in review do not relieve contractor from compliance with requirements of the contract documents. Approval of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for: all dimensions; information pertaining to the fabrication process or to the means, methods, techniques, sequence and procedure of construction; coordination of work with other trades; and performing of work in safe and satisfactory manner.

Signed by: [Signature]  
Consultant/Department: Cripe Architects + Engineers  
Date: 6-14-10



Architects + Engineers

**COMMENTS:**

Multiple horizontal lines for entering comments.



**Submittal Item**

**Project** [IPS-III-1015] - 015 - Thomas D. Gregg Elementary School      **View Date** 5/28/2010

Reviewed by SLW of Enginuity for CQM Team on 05/28/10. The GC has added responses to the Architects comments for their consideration.

Enginuity Management & Consulting Corp.  
 Ste 230  
 6214 Morenci Trail  
 Indianapolis, IN 46268  
 Phone: 317-297-5601  
 Fax: 317-423-5460

**Submittal Item No.**  
00560

**General Information**

<b>Item No.</b>	00560	<b>Revision</b>	3
<b>Package No. Rev.</b>	033000.0		
<b>Description</b>	LEED Product Data		
<b>CSI Code</b>	03 30 00 - CAST-IN-PLACE CONCRETE	<b>Submitting Company</b>	MacDougall Pierce Construction, Inc.
<b>Reference No.</b>		<b>Copies Required</b>	1
<b>Status</b>	Forwarded to AE	<b>Item Type</b>	Product Data
<b>Responsible Team Member</b>	Sahara Williams (Enginuity Management & Consulting Corp.)		
<b>Item Notes</b>			
<b>Primary Response</b>			
<b>Submission Notes</b>			
<b>Review Notes</b>			

**Dates**

<b>Material Required on Site</b>	<b>Required Lead Time (days)</b>
<b>Approved Submittal Required By</b>	<b>Required Review Time (days)</b>
<b>Submission Due</b>	

**Manufacturer**

*Submittal*

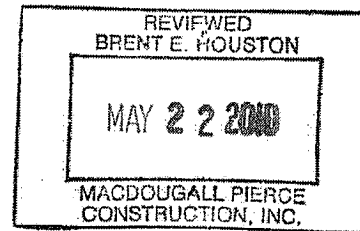
Job: 20926  
IPS #15 (Thomas D. Gregg)  
2302 East Michigan Street  
Indianapolis, IN 46201

Spec Section No: 03 30 00  
Submittal No: 3  
Revision No: 1  
Sent Date: 5/25/2010

Spec Section Title: Cast-In-Place Concrete  
Submittal Title: LEED Form - Redimix Concrete

Contractor:  
MacDougall Pierce Construction

Contractor's Stamp



Architect's Stamp

Engineer's Stamp

Logged in 4/27/10 SW  
Logged out 5/10/10 SW

**CRIFE ARCHITECTS + ENGINEERS**

Architects, Engineers & Surveyors 317-844-6777

PJT. NO. 090324-20000

SUBMIT NO. 03 3000 Cast-in-Place  
Concrete LEED Prod Data

APPROVED

Fabrication/installation may be undertaken. Approval does not authorize changes to the Contract Sum or Contract Time.

APPROVED AS  
CORRECTED & NOTED

RESUBMIT: Limit corrections to items marked.

REJECTED;  
REVISE &  
RESUBMIT

Fabrication and/or installation may NOT be undertaken.

Reviewed only for general conformance with project design concept and general compliance with the Contract Documents. Corrections or comments made in review do not relieve contractor from compliance with requirements of the contract documents. Approval of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for: all dimensions; information pertaining to the fabrication process or to the means, methods, techniques, sequence and procedure of construction; coordination of work with other trades; and performing of work in safe and satisfactory manner.

Signed by:

Consultant/Department: Crife Architects + Engineers

Date: 5/10/10



Architects + Engineers

COMMENTS: Approved as corrected & noted

Additional documentation will be needed to achieve LEED credit.

1) Provide post-consumer recycled content data for cast-in-place

All Fly-ash is pre-consumer recycled material as it is a by-product of burning coal.

2) Provide proper project summary for IPS #15

(current info states INDOT Brookville Rd.) - project summary

Sheet has been removed as it was inadvertently inserted

Note: there is no pre-cast concrete specification

this applies to parking bumpers only

Do.  
5/24/2010

without this documentation, LEED credit may possibly not be achieved.



PROJECT: IPS#15, 09CM-1-062

SUBMITTAL: 033000-03 Cast in place Con.

ACCEPTED FOR LEED DOCUMENTATION

REVIEWED: AND DOCUMENTED

ACCEPTANCE DOES NOT AUTHORIZE CHANGES TO THE CONTRACT DOCUMENTS, CONTRACT SUM, OR CONTRACT TIME, NOR DOES IT CONSTITUTE APPROVAL BY THE DESIGNERS OR OWNER.

REVIEWED: SEE COMMENTS

RESUBMIT: ADDITIONAL INFORMATION REQUIRED FOR LEED DOCUMENTATION.

REJECTED: REVISE & RESUBMIT

INCORRECT, MISLEADING AND/OR INEFFECTUAL INFORMATION CONTAINED WITHIN SUBMISSION DOCUMENTS. SEE COMMENTS

REVIEWED ONLY FOR RELEVANCE TO LEED DOCUMENTATION AND SUBMISSION INFORMATION. CORRECTIONS OR COMMENTS MADE IN REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, DESIGN, OR LOCAL CODES.

CONTRACTOR IS RESPONSIBLE FOR: ALL DIMENSIONS; INFORMATION PERTAINING TO THE FABRICATION PROCESS OR TO THE MEANS, METHODS TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; COORDINATION OF WORK WITH OTHER TRADES, AND PERFORMING ALL WORK IN SAFE AND SATISFACTORY MANNER.

SIGNED: \_\_\_\_\_

CONSULTANT: Stewart Whitcomb

DATE: 4-21-2010

"Project Summary" page is from INDOT Brookville Road, for Blackburn Associates Arch. appears to be incorrect or not applicable to our project. No information for LEED documentation is present on this page,

*Submittal*

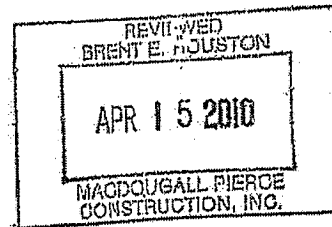
Job: 20926  
IPS #16 (Thomas D. Gregg)  
2302 East Michigan Street  
Indianapolis, IN 46201

Spec Section No: 03 30 00  
Submittal No: 3  
Revision No: 0  
Sent Date: 4/15/2010

Spec Section Title: Cast-In-Place Concrete  
Submittal Title: LEED Form

Contractor:  
MacDougall Pierce Construction

Contractor's Stamp



Architect's Stamp

Engineer's Stamp



## MATERIALS & RESOURCES

(Items 1-4 apply to Specification Divisions 2-14 and Division 15 Plumbing/Piping Sections only)  N/A

**1. Recycled Content: LEED Credit MR 4.1 and MR 4.2**

Breakdown percentages of known post-consumer and post-industrial recycled content in submitted product (attach supporting Product Data or letter from manufacturer stating product's recycled content):  See Attachments.

Post-Consumer: SEE BELOW % + Post-Industrial: \_\_\_\_\_ % + Non-Recycled: \_\_\_\_\_ % = 100%

**2. Regionally Manufactured: LEED Credit MR 5.1**

Identify product's manufacturing, fabrication, or final assembly plant or facility and its distance to Project Site:

Company Name:	SHELBY MATERIALS	Distance to Project Site
Facility Address:	2701 S. EMERSON AVE.	6
<small>For distances, see <a href="http://www.mapquest.com">www.mapquest.com</a>, <a href="http://www.hugoboss.com">www.hugoboss.com</a>, or <a href="http://www.info.com/distance">www.info.com/distance</a></small>	INDIANAPOLIS, IN 46203	

**3. Regionally Extracted, Harvested, or Recovered: LEED Credit MR 5.2**

A. If distance reported above is 500 miles or less, identify product's component raw materials, the source location (mine, quarry, agricultural site, recovery facility, etc.) for each component, and its distance to Project Site:  N/A

Raw Material	Source Company & Location (Address) <small>For distances, see <a href="http://www.mapquest.com">www.mapquest.com</a>, <a href="http://www.hugoboss.com">www.hugoboss.com</a>, or <a href="http://www.info.com/distance">www.info.com/distance</a></small>	Miles to Project Site	% by Weight
PORTLAND CEMENT	BUZZI UNICEM USA, INC.	53	11
	GREENCASTLE, IN		
FLY ASH	LAFARGE CEMENT	271	2
	BINHAM FARMS, WI		
COURSE AGG.	SHELBY MATERIALS	35	47
	FLAT ROCK, IN		
FINE AGG.	SHELBY MATERIALS	31	33
	EDINBURGH, IN		
WATER	SHELBY MATERIALS	6	7
	BEECH GROVE, IN		
Miscellaneous Other Raw Materials (Note % by Weight)	Various or Undetermined	Unknown	

B. If some material sources are unknown or unlisted or if some sources are more than 500 miles from Project Site, provide breakdown of each component as a percentage of the entire product and enter percentage in fourth column of table above.  See Table,  N/A

*\* All Fly-ash is post consumer recycled material*



## INDOOR ENVIRONMENTAL QUALITY

(Items 5-8 apply to all Specification Sections)

N/A

### 4. Low-Emitting Materials Adhesives and Sealants: LEED Credit EQ 4.1

A. Does product include adhesives or sealants (adhesive and sealant primers, caulk, plastic welding solvents, etc.) that are applied or touched-up on-Site?  YES  NO

B. If "YES", indicate product's VOC content (attach supporting Product Data or other documentation).

\_\_\_\_\_ g/L  See Attachments.

If product uses adhesives or sealants during the manufacturing process away from the Project Site, VOC limits do not apply. If on-Site touch-up or installation utilizes products that contain VOC, submit separate documentation indicating VOC content under a separate LEED Information Sheet.

### DEFINITIONS

(See Specifications)

**Post-Consumer Recycled Content:** Consumer waste that has become raw material (feedstock) for another product, originating from products that have served useful purposes in consumer market. Much of this feedstock comes from residential and commercial aluminum, glass, plastic, and paper recycling programs and from businesses that recycle construction and demolition debris.

**Post-Industrial Recycled Content:** Output from industrial processes that has not been used as part of consumer products; that is sold, traded, or exchanged under commercial terms (including auditable transactions between profit centers within an organization) as feedstock for another industrial process; and that would otherwise be landfilled, incinerated, or somehow disposed of as waste, as defined by the Federal Trade Commission. **EXAMPLE:** Composite board manufacturer may purchase (or haul away for free) sawdust from lumber mills or waste straw from wheat farms. Wood chips would not fit this definition unless they are byproducts of another manufacturing process and would otherwise have been landfilled or incinerated.

**Manufacturing:** Final assembly of components into building product for delivery and installation by tradesmen on-Site. **EXAMPLE:** If hardware made in Dallas, Texas, and wood milled in Vancouver, British Columbia, are assembled into cabinets in Chicago, Illinois; then manufacturing (final assembly) site is Chicago, Illinois (within 500 miles of Project Site). Use mapping websites to determine distances.



The Concrete  
and Aggregate Experts®

Shelby Materials  
P.O. Box 405  
Beech Grove, IN 46107  
2701 S. Emerson Ave. 317-782-3200  
Indianapolis, IN 46203 317-782-4282 FAX

Concrete Mix #  
FZ91201

Concrete Cost  
\$79.00

	Contents	Percent of Cost	segmented \$
<b>Concrete</b>			
Franklin	Cement	52%	\$41.08
Shelbyville	Fly Ash	4%	\$3.16
Rushville	Fine Aggregate	12%	\$9.48
Columbus	Coarse Aggregate	25%	\$19.75
Seymour	Water	1%	\$0.79
Nashville	Admixtures	6%	\$4.74
Indianapolis		100%	\$79.00
Brownsburg			
<b>Aggregates</b>			
Edinburgh			
Franklin			
Shelbyville			
Rushville			

verified by:

*Mike Asher*  
Mike Asher

4/12/2010

Trucking  
800-875-9877

IPS #15

03-3300		CAST-IN-PLACE CONCRETE		15		YARDS		
PRODUCT	WEIGHT	UNITS	PERCENT	COST	YARDS	PROJ. COST		
CEMENT	464 LBS/CY		11%	\$ 41.08	15	\$ 616		
FINE AGG	1,320 LBS/CY		33%	\$ 9.48	15	\$ 142		
COURSE AGG	1,900 LBS/CY		47%	\$ 19.75	15	\$ 296		
WATER	267 LBS/CY		7%	\$ 5.53	15	\$ 83		
TOTAL WEIGHT	4,051		100%	\$ 79.00		\$ 1,185		
Cementitious:								
PRODUCT	WEIGHT	UNITS	PERCENT	COST	YARDS	PROJ. COST		
CEMENT	464 LBS/CY		82%	\$ 41.08	15	\$ 616		
TOTAL WEIGHT:	564		100%	\$ 44.24		\$ 664		
AGGREGATES:								
PRODUCT	WEIGHT	UNITS	PERCENT	COST	YARDS	PROJ. COST		
FINE AGG.	1,320 LBS/CY		38%	\$ 9.48	15	\$ 142		
COURSE AGG.	1,900 LBS/CY		54%	\$ 19.75	15	\$ 296		
WATER	267 LBS/CY		8%	\$ 5.53	15	\$ 83		
TOTAL WEIGHT:	3,487		100%			\$ 521		
IN 03-3300, THE CONTRIBUTIONS WOULD BE DISTRIBUTED AS FOLLOWS:								
MTL VALUE	\$	664	CONTRIBUTOR VALUE	59				