

## OFFICERS

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FOR COURT OF FREE BUILD RT COURT OF THE PT CO



ASSOCIATES

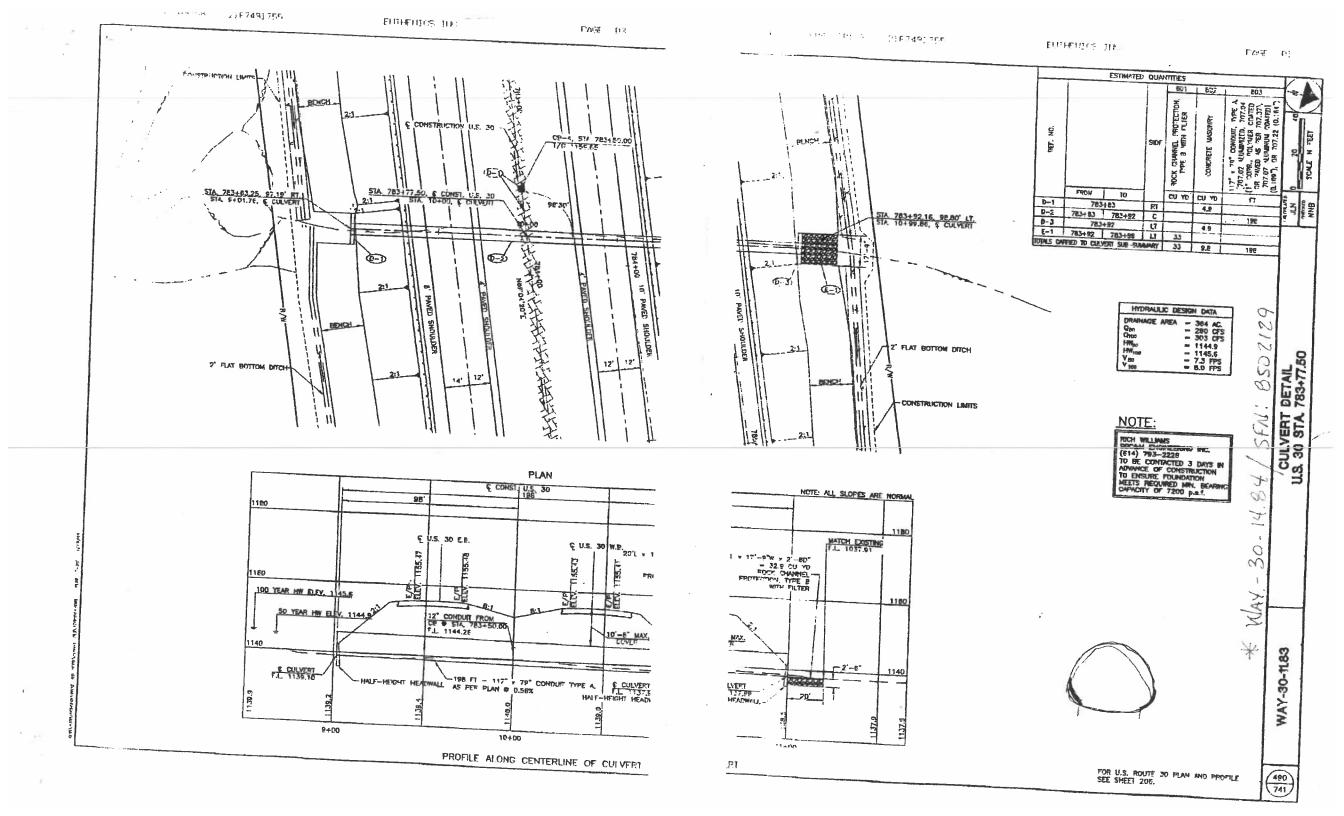
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## Telecopier Cover Letter

(216) 749-1755

Date: 8/	/23/04	
Time: 9:	:50	
From: A	Jan Piatak	
Please deliver the following	lowing	3 pages (including cover) to:
Name: Cassandra	VanHorn	
Firm: ODOT - I	District 3 (WAY-3	30 Field Office)
City: AppleCree	:k	
Fax Number: (330)	264-5346	
Comments:		,
Attached is the revised C	ulvert Detail for the	the crossing at Sta. 783+77.50. The conduit length
15 198 feet based on the V	Value Engineering	g Profile.
3		
		"U-Sick"
	4	
	19	Post-it® Fax Note 7671 Date 823 # or pages 3
		Co./Dept. Co.
		Phone # 330-244 40 Fax # 330-418-212-ax #
		CC: bewer trailer
· · · · · · · · · · · · · · · · · · ·		
Please call if any addition	nal information is	needed.
If you do not receive all of t	the pages, please c	call as soon as possible. Thank You.



BBCM

12/1017

353

BBC&M ENGINEERING, INC. December 21, 2004 011-08148.016 6190 Enterprise Court, Dublin, Ohio 43016-7297 Phone (614) 793-2226 Fax (614) 793-2410

Mr. Perry Ricciardi Ohio Department of Transportation, District 3 906 North Clark Street Ashland, Ohio 44805

Re: Summary - Field Observations

US 30 Culvert Excavation - STA 783+75.21

WAY-30-11.86 Wayne County, Ohio

Mr. Ricciardi,

In accordance with your request, BBC&M Engineering, Inc. personnel were present on-site during excavation for the placement of the 117" X 79" corrugated metal culvert located at STA 783+75.21 along the new alignment for US 30 in Wayne County, Ohio. ODOT District 03 requested BBC&M presence on-site to observe the surface of the exposed culvert excavation and test for acceptability as to support for the culvert under design loading. Mr. Karl Zeiters, Senior Engineering Technician with BBC&M, was on-site as requested by Mr. Todd Norris of Beaver Excavating on 12/08, 12/09, 12/13 and 12/14/04. Reporting of our findings and recommendations associated with these site visits, as recorded on Daily Observation Reports, is herewith attached.

We appreciate having been given the opportunity to be of service on this project. If you have any questions concerning our findings, please do not hesitate to contact our office.

Sincerely,

BBC&M ENGINEERING, INC.

Dublin, Ohio

Richard L. Williams, Ph.D., P.E. Vice President/Chief Engineer

Enclosures:

Daily Observation Reports (4 sheets)

Pc:

C. Brown, District 03

\* WAY - 30 - 14.84 SFN: 8502129

# FIELD MEASUREMENTS FOR ABOVE CULVERT: 120" x 84"

MEASUREMENTS MEASUREMENTS MADE BY S. MEGGYESY - DIST. 3 BRIDGE SPECIALIST

1/3/05

BBC&M Engine DAILY OBSERVAT	
Date: 12/8/04 Job No.: 011-08148-016	Project: WAY-30-11.83
Temperature: Min. 39° Max. 46°	Location: Wooster, Ohio
Weather Conditions: Cloudy, Breezy, Cool	BBC&M Personnel: Karl Zeiters
Work in Progress:  BBC&M Engineering was on site as scheduled to observe th between Sta. 784+00 and Sta. 783+00.	ne bearing surface at the excavation for the culvert
Observations:  Beaver Excavating excavated the culvert location from north and approximately 45° of culvert was excavated to 6° below subgrade exhibited hand penetrometer values of 4.0 tsf to 4. average of 4.0 tsf. The exhibited bearing value met the plan placed as bedding material prior to placing the culvert pipe so north headwall and two 22° long section of culvert. Bearing of brown mottled with gray silty clay, some fine to coarse sa sand, silt and clay pockets and seams.	vinvert elevation. Bearing testing of the exposed .5+ tsf with an occasional value of 3.75 tsf and an bearing value and then 6" of compacted sand was sections. Concrete was placed at the bottom of the material prior to the compacted sand layer consisted
Comments:	

<sup>\*</sup> See attached sketch, if applicable.

BBC&MI	BBC&M Enginee DAILY OBSERVATIO	
	011-08148-016	Project: WAY-30-11.83 Location: Wooster, Ohio
Temperature: Min. 36° Max.	49°	
Weather Conditions: Cloudy, Breezy,	Mild	BBC&M Personnel: Karl Zeiters
Work in Progress:		
BBC&M Engineering was on site as sched subgrade.	duled to resume bear	ing observation and testing at the culvert excavation
Observations:		
surface testing and observation was performed testing exhibited hand penetrometer value pocket with an average value of 4.0 tsf. The Bearing material consisted of very-stiff to fine to coarse gravel, trace cobbles contains.	ormed when the exca es of 4.0 tsf to 4.5 tsf esting indicated bea hard brown mottled ining sand and clay p	ere the excavation was ceased on 12/8/04. Bearing vation was 6" below plan bottom elevation. Bearing and an occasional value of 3.5 tsf due to a claying values capable of the plan bearing value. with gray silty clay, some fine to coarse sand, little bockets. A 6-inch compacted sand layer was then laced today and the north headwall forms were
Comments:		

\* See attached sketch, if applicable.

BBC&MI)		BBC&M Engine DAILY OBSERVAT		
Date: 12/13/04	Job No.:	011-08148-016	Project: WAY-30-11.83	· · · · · · · · · · · · · · · · · · ·
Temperature: Min.	27° Max.	33°	Location: Wayne County, Ohio	1 1
Weather Conditions:	Cloudy, Windy, Snow Showers	Cold,	BBC&M Personnel: Karl Zeiters	
Work in Progress:				
BBC&M Engineering was excavation.	on site to resum	ne observation and	d testing of the bearing surface subgrade for the cu	lvert
placed. The subgrade so exhibited hand penetrom	ils prior to placin eter values of 4.0 de consisted of b	ng a compacted layor tsf to 4.5+ tsf indic prown mottled with	three 22 foot sections of culvert were excavated anyer of sand were observed and tested. Bearing test icating bearing values capable of the plan bearing h gray silty clay, some fine to coarse sand, little fine ets and seams.	ting
Comments: BBC&M Engineering is so	cheduled on 12/1	4/04 to complete th	he excavation of south headwall and culvert.	

<sup>\*</sup> See attached sketch, if applicable.

BBC&MI		BBC&M Enginee DAILY OBSERVATION	
Date: 12/14/04 Temperature: Min.	Job No.:	011-08148-016 27°	Project: WAY-30-11.83 Location: Wayne County, Ohio
Temperature: Min.  Weather Conditions:	Mostly Cloudy, Snow Flurries	· · · · · · · · · · · · · · · · · · ·	BBC&M Personnel: Karl Zeiters
Work in Progress:  BBC&M Engineering was headwall between Statio			ace observation and testing for the culvert and south
surface testing and observery-stiff to hard brown cobbles with clay, sand testing indicated bearing	ervation of the ex mottled with gray and silt pockets a g values capable	oposed subgrade, pri y silty clay, some find and seams with hand of the plan bearing v	culvert including the south headwall today. Bearing or to placement of a compacted sand layer, exhibited to coarse sand, little fine to coarse gravel, trace dipenetrometer values of 4.0 tsf to 4.5+ tsf. Bearing value. After bearing surface testing, a compacted sulvert pipe section and the south headwall forms.
Comments: Excavation for this culve	ert location was o	completed today.	

<sup>\*</sup> See attached sketch, if applicable.



## BILL OF LADING



PAR

Delivery Date

CLASS OR

RATE

CARRIER MUST SHOW THIS NUMBER ON FREIGHT BILLS

**BILL OF LADING NO.** 

52-3622

02

ORDER NUMBERS

52-8505-00

23-9666-00

P-202408

FREIGHT CHARGES ARE PREPAIDUNLESS

MARKED COLLECT.

ORGN, FRGT PREPAID

(SUB. TO COR.)

\* WEIGHT

PAGE B/L STOP

3

PLANT:

SALES:

BUYER:

THIS SHIPPING ORDER MUST BE LEGIBLY COMPLETED IN INK, INDELIBLE PENCIL, OR CARBON, AND RETAINED BY THE AGENT

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FROM:

AT:

CONTECH CONSTRUCTION PRODUCTS INC. SUMMIT PLANT, ASHLAND KY.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to destinate its insulating agreed, as to each carrier of all or any of said property, what every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a reliable enter shipment, or (2) in the applicable motor carrier. classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with the terms and conditions of said bill of fading, including those on the back thereof, set forth in the classification or fariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(02)

LS#: 850502

DATE: 10/11/2004

Promised: 10/30/2004

DELIVERING CARRIER: JRB TRUCK

220

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**DESTINATION:** (MAIL OR STREET ADDRESS OF CONSIGNEE - FOR PURPOSES OF NOTIFICATION ONLY)

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(WAYNE CO)

WOOSTER, OH 44093

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ARCHED(117x79), LIFT LUGS.

REF. 121A

STA. 772+50 ML

Delivery Date: / /

A-1 A-2, A-2 A-3, A-3 A-4

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STOP OFF WEIGHT

3,037 lbs

	3
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eceiving -Print Name:

Signature: