

February 27, 2012

Mr. James A. Marszal, P.E.
Pavement and Geotechnical Engineer
District 12
Ohio Department of Transportation
5500 Transportation Boulevard
Garfield Heights, Ohio 44125-5396

Re: District 12 GES Pavements and Structure Investigation and
Report of Pavement and Bridge Deck Coring
Lak-2-14.28 (Newell Street over SR-2)
PID No.: 88352
Task Order No.: 16687-1
Lake County, Ohio
PSI Project No.: 0142-576

Dear Mr. Marszal:

Enclosed is PSI's report of Pavement and bridge deck Cores that were obtained from the site of the above-referenced project. PSI's services for this project were performed in accordance with PSI's Proposal No. 0142-61286, dated January 24, 2012. Authorization to perform this exploration was in the form of an emailed authorization letter to PSI acknowledged by Mr. James A. Marszal of Ohio Department of Transportation, District 12, on February 6, 2012.

The scope of services for this project included coring the pavement sections at six (6) specified locations, included 2 cores (C-3 and C-4) on the bridge deck, 2 cores (C-2 and C-5) on the approach slab, and two cores (C-1 and C-6) at the pavement area, taking photographs of the existing pavement condition, measuring the GPS readings at each core location, and measuring the thickness and taking photographs of each core. Testing of the core samples was not performed.

The number and locations of the pavement cores were selected by the representatives of ODOT – District 12, and field located by representatives of PSI utilizing conventional taping procedures. Enclosed with this report are the following:

- Pavement Core Location Plans, showing the approximate locations of the pavement cores;
- Core Photo Logs: showing the core number, approximate GPS reading, approximate thickness, composition, and condition of the pavement cores;
- Pavement Photo Logs: Show the existing condition of pavement of core locations.

Ohio Department of Transportation
Re: District 12 GES Pavements and Structure Investigation and
Geotechnical Service Agreement
PSI Project Number 0142-576
February 27, 2012

PSI assumes no responsibility for interpretation made by others. The collected pavement core samples are available for inspection. The cores will be retained for a period of 30 days after the date of this report and disposed thereof.

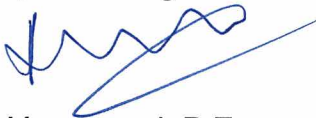
PSI appreciates the opportunity to have been of service to you on this project. If we can be of further assistance, please do not hesitate to contact us at 216-447-1335.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.



Surya Thapa, P.E.
Project Manager

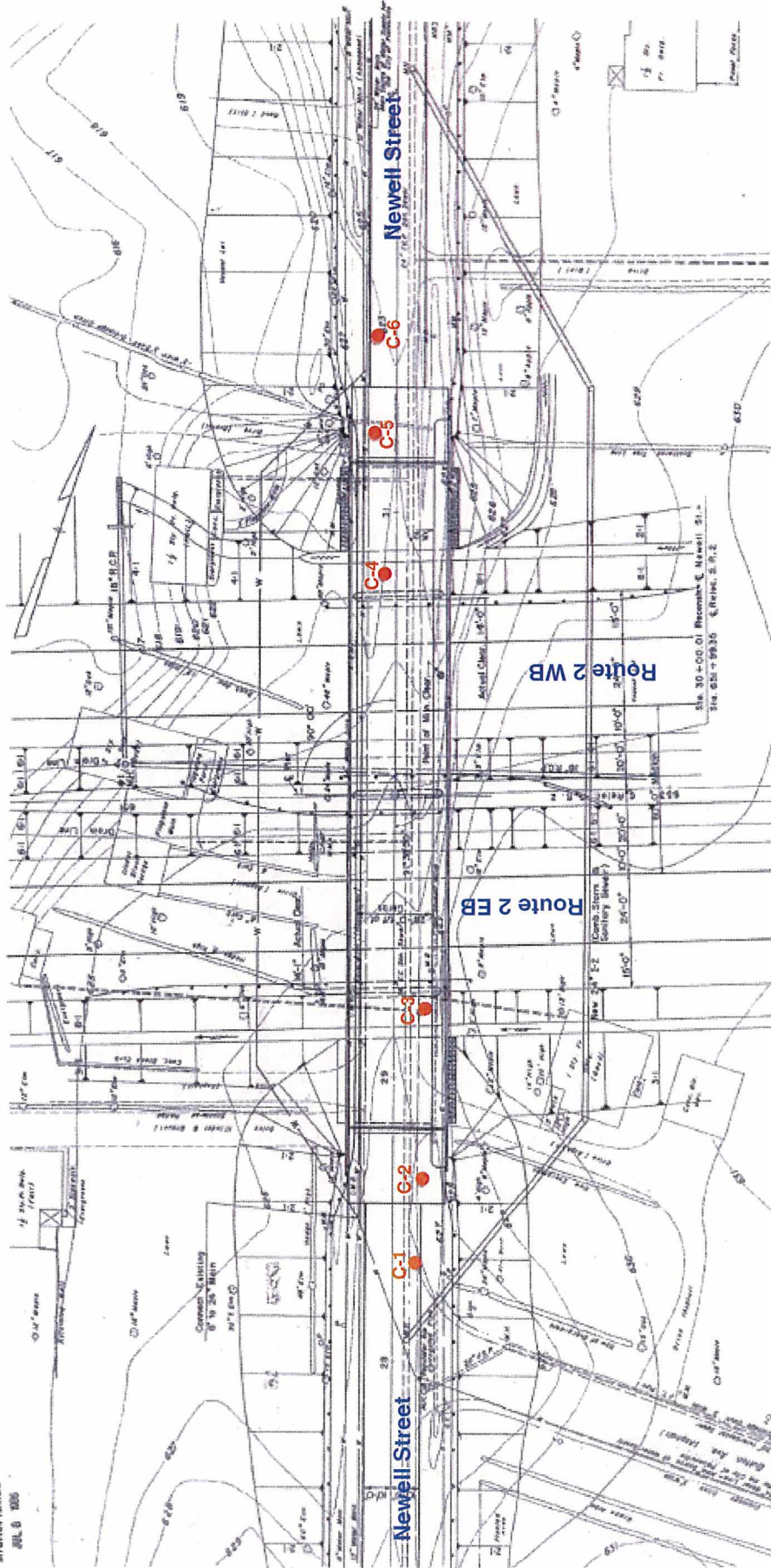


A. Veeramani, P.E.
District Manager

Enclosures:

Pavement Core Location Plans
Core Photo Logs with Core Descriptions
Pavement Photo Logs

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Date: 2/9/2012	Core Photo Log
Drawn By: AC	Task Order No: 16687-1
Scale: NA	PSI Project No: 0142-576

Proposed Pavement Coring
LAK-2-14.28, PID No.: 88352
Newell Street over Lake-2
Lake County, Ohio

PSI Information
To Build On
Engineering • Consulting • Testing




Core Number	Location	Layers	Core Composition		Remarks
			Asphalt Concrete	Concrete	
C-1	LAK-2 NB-RWT Latitude : 41° 43' 31.0" Longitude : -81° 16' 7.9"	A	404 402	--	Fair Condition, Broken at 1 1/2"
		C	--	5 1/4"	Good Condition
Information To Build On Engineering • Consulting • Testing			Pavement Coring LAK-2-14.28, PID No.: 88352 Lake County, Ohio		Date: 2/24/2012
					Task Order No: 16687-1
					Scale: NA
					Core Photo Log

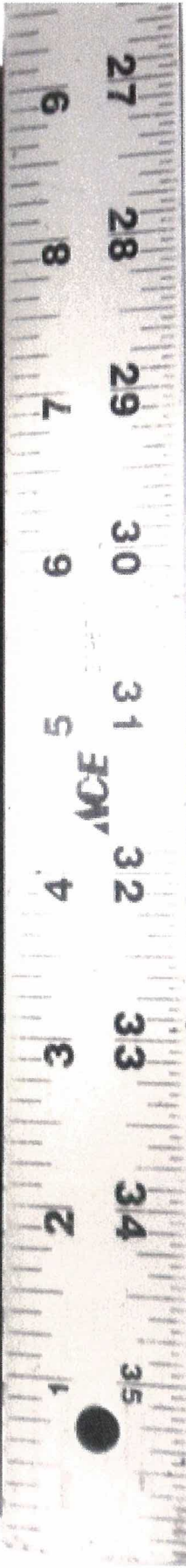


1	2	3	4	5	6	7	8	9	10	11	12	13	14
5C	4C	3C	2C	1C	0C	6C	8C	7C	9C	5C	4C	3C	2C

Core Number	Location	Layers	Core Composition		Remarks
			Asphalt Concrete	Concrete	
C-2	LAK-2 NB-RWT Latitude : 41° 43' 31.3" Longitude : -81° 16' 8.0"	A	404 1 1/2"	402 --	Good Condition
		B	--	--	Good Condition
Information To Build On Engineering • Consulting • Testing					Date: 2/24/2012
Pavement Coring LAK-2-14.28, PID No.: 88352 Lake County, Ohio					Task Order No: 16687-1
					Scale: NA
					PSI Project No.: 0142-576



Core Number	Location	Layers	Core Composition		Remarks		
			Asphalt Concrete	Concrete			
C-3	LAK-2 NB-RWT Latitude : 41° 43' 31.9" Longitude : -81° 16' 8.2"	A	404	402	Good Condition		
 Engineering • Consulting • Testing			Pavement Coring LAK-2-14.28, PID No.: 88352 Lake County, Ohio			Date: 2/24/2012	Core Photo Log
						Drawn By: AC	Task Order No: 16687-1



Core Number	Location	Layers	Core Composition		Remarks
			Asphalt Concrete	Concrete	
C-4	LAK-2 SB-LWT Latitude : 41° 43' 33.3" Longitude : -81° 16' 9.1"	A	404	402	Good Condition, Small Crack at 2 1/4"
Information To Build On Engineering • Consulting • Testing			Pavement Coring		
			LAK-2-14.28, PID No.: 88352 Lake County, Ohio		
			Date: 2/24/2012	Core Photo Log	
			Drawn By: AC	Task Order No: 16687-1	
			Scale: NA	PSI Project No.: 0142-576	



Core Number	Location	Layers	Core Composition		Remarks				
			Asphalt Concrete	Concrete					
C-5	LAK-2 SB-RWT Latitude : 41° 43' 33.7" Longitude : -81° 16' 9.3"	A	404 1 3/4"	402 --	Good Condition				
		B	--	--	Good Condition, Cracked at Rebar During Coring				
Information To Build On Engineering • Consulting • Testing			Pavement Coring LAK-2-14.28, PID No.: 88352 Lake County, Ohio			Date: 2/24/2012			
						Core Photo Log			Drawn By: AC
									Task Order No: 16687-1
			Scale: NA						
			PSI Project No.: 0142-576						



Core Number	Location	Layers	Core Composition		Remarks
			Asphalt Concrete	Concrete	
C-6	LAK-2 SB-RWT Latitude : 41° 43' 34.1" Longitude : -81° 16' 9.4"	A	404 402	--	Fair Condition
		B	--	2 3/4"	Good Condition
Information To Build On Engineering • Consulting • Testing					Core Photo Log
Pavement Coring LAK-2-14.28, PID No.: 88352 Lake County, Ohio					Date: 2/24/2012
					Drawn By: AC
					Scale: NA
					Task Order No: 16687-1
					PSI Project No.: 0142-576



Pavement Photo # C-1



Pavement Photo # C-2

psi Information
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Pavement Coring
LAK-2-14.28, PID No.: 88352
Task Order No.: 16687-1
Lake County, Ohio

Pavement
Photo
Log

Scale: NA

Drawn By: AC

Date: 2/9/2012

PSI Project No: 0142-576



Pavement Photo C-3



Pavement Photo C-4

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Pavement Coring
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Task Order No.: 16687-1
Lake County, Ohio

Pavement
Photo
Log

Scale: NA

Drawn By: AC

Date: 2/9/2012


PSI Project No: 0142-576



Pavement Photo C-5



Pavement Photo C-6

	<p>Pavement Coring LAK-2-14.28, PID No.: 88352 Task Order No.: 16687-1 Lake County, Ohio</p>	<p>Pavement Photo Log</p>		
	Scale: NA	Drawn By: AC	Date: 2/9/2012	PSI Project No: 0142-576