

## ENGINEER'S OPINION OF PROBABLE COST

<b>Client</b>	<b>Misc</b>
City of Englewood Proposed Howe Truss Covered Bridge Two spans 14' Wide 120' Long	Date: 9/29/2014

ODOT Ref No	Description	Quantity	Unit	Unit Price	TOTAL
503	Unclassified Excavation, as per plan	637	CY	\$100.00	\$63,700.00
509	Reinforcing Steel, as per plan	48000	LBS	\$1.75	\$84,000.00
511	Class C Concrete, Footers	66	CY	\$400.00	\$26,400.00
511	Class C Concrete, abutment	306	CY	\$500.00	\$153,000.00
511	Class C Concrete, pier	116	CY	\$500.00	\$58,000.00
513	Sealing of Conrete Surfaces, epoxy-urethane	361	SY	\$35.00	\$12,635.00
513	Structural Steel Misc: Plates, Rods and Assemblies	45700	LBS	\$4.00	\$182,800.00
514	Structural Steel Misc: Hardware	1	LS	\$30,000.00	\$30,000.00
518	Field Painting Misc: Staining of Siding and Trim	9504	SF	\$3.50	\$33,264.00
530	Porous Backfill with Filter Fabric	60	CY	\$300.00	\$18,000.00
530	Special - Structure Misc: Roof System	9.23	MFBM	\$5,000.00	\$46,150.00
530	Special - Structure Misc: Floor Sys, Misc. Solid Sawn	29.74	MFBM	\$5,000.00	\$148,700.00
530	Special - Structure Misc: Howe Truss, Glulam	51.03	MFBM	\$9,200.00	\$469,476.00
530	Special - Structure Misc: Howe Truss, Solid Sawn	1.65	MFBM	\$6,000.00	\$9,900.00
530	Special - Structure Misc: Siding and Trim	9500	SF	\$6.08	\$57,760.00
530	Special - Structure Misc: Metal Roof	6040	SF	\$7.50	\$45,300.00
530	Special - Structure Misc: Floor System, Glulam	14.18	MFBM	\$8,500.00	\$120,530.00
530	Special - Structure Misc: Roof System, Bracing Etc.	5.8	MFBM	\$6,000.00	\$34,800.00
606	Special - Structure Misc: Roof System, Glulam	9.23	MFBM	\$14,000.00	\$129,220.00
606	Guardrail	1	LS	\$10,000.00	\$10,000.00
623	Maintaining Traffic	1	LS	\$3,500.00	\$3,500.00
623	Construction Layout Stakes	1	LS	\$10,000.00	\$10,000.00
624	Mobilization	1	LS	\$20,000.00	\$20,000.00
Spec	Architectural Enhancements	1	LS	\$50,000.00	\$50,000.00
659	Seeding and Mulching	.24	ACRE	\$2,000.00	\$480.00
	<b>Subtotal</b>				<b>\$1,817,615.00</b>
	10% Contingency				\$181,761.50
	11.1% Inflation to 2017				\$201,755.27
	Engineering				\$220,000.00
				<b>Total</b>	<b>\$2,421,131.77</b>


  
 JOHN WILLIAM  
 SMOLEN, JR.  
 E-33585  
 REGISTERED PROFESSIONAL ENGINEER



# Site Work Project Estimate



Five Rivers MetroParks

9/19/2014

Englewood MetroPark- Pathway connections and Interpretive Elements

Item Description	Qty	Unit	Unit Cost	Extended Cost
<b>Pathway Connections</b>				
Grubbing and Clearing of Existing Vegetation	1	LS	\$25,000.00	\$25,000.00
Excavation for pathways	1500	CY	\$13.00	\$19,500.00
6" Gravel Base- Compacted- Includes Subgrade compaction	1100	CY	\$30.00	\$33,000.00
3" asphalt surface (2- 1-1/2" lifts with tack coats) (10' pathways)	5350	SY	\$25.00	\$133,750.00
Gravel Berms	14445	SF	\$1.75	\$25,278.75
Grading	450	CY	\$35.00	\$15,750.00
<b>Sub Total Pathways</b>				<b>\$252,278.75</b>
<b>Support Elements</b>				
Repair Seeding	15000	SF	\$0.75	\$11,250.00
East Side Channel Bridge Replacement	1	EA	\$200,000.00	\$200,000.00
Native Plantings around bridge and trail heads	1	LS	\$28,000.00	\$28,000.00
Native Seeding Along Trails	115000	SF	\$0.25	\$28,750.00
Trail Head Improvments including ADA ramps and curb modifications, gates, bollards	1	LS	\$65,000.00	\$65,000.00
Interpretive Elements	1	EA	\$35,000.00	\$35,000.00
<b>Sub Total Support Elements</b>				<b>\$368,000.00</b>
<b>Sub-Total Englewood Site Work</b>				<b>\$620,278.75</b>
<b>Engineering/ Survey</b>				<b>\$37,216.73</b>
<b>10% Contingency</b>				<b>\$62,027.88</b>
<b>Total Englewood Site Work</b>				<b>\$719,523.35</b>



PROJECT  
 PROJECT NAME  
 ENGLEWOOD METROPARK  
 BRIDGE RESTORATION AND PATH IMPROVEMENTS



CONCEPT DOCUMENTS

REV	DATE	DESCRIPTION

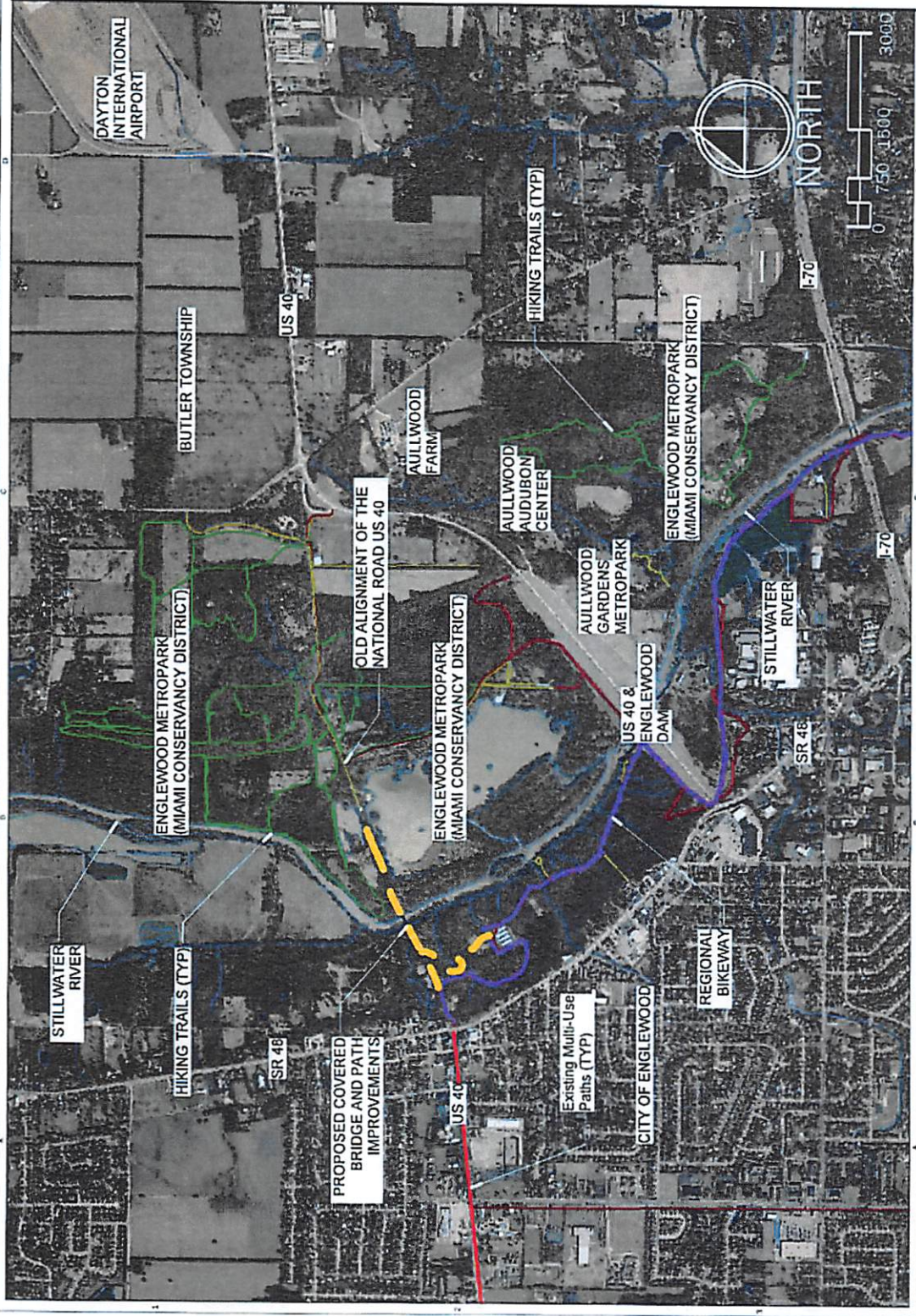
DATE  
 10/01/2014  
 DRAWN BY  
 2014/08/06  
 CHECKED BY  
 ERS

PROJECT AREA

SHEET NO.  
 L5100



PROJECT MANAGER  
 937.274.5044  
 937.274.5044  
 937.274.5044



PROJECT  
 PROJECT NAME  
 PROJECT LOCATION  
 PROJECT DESCRIPTION



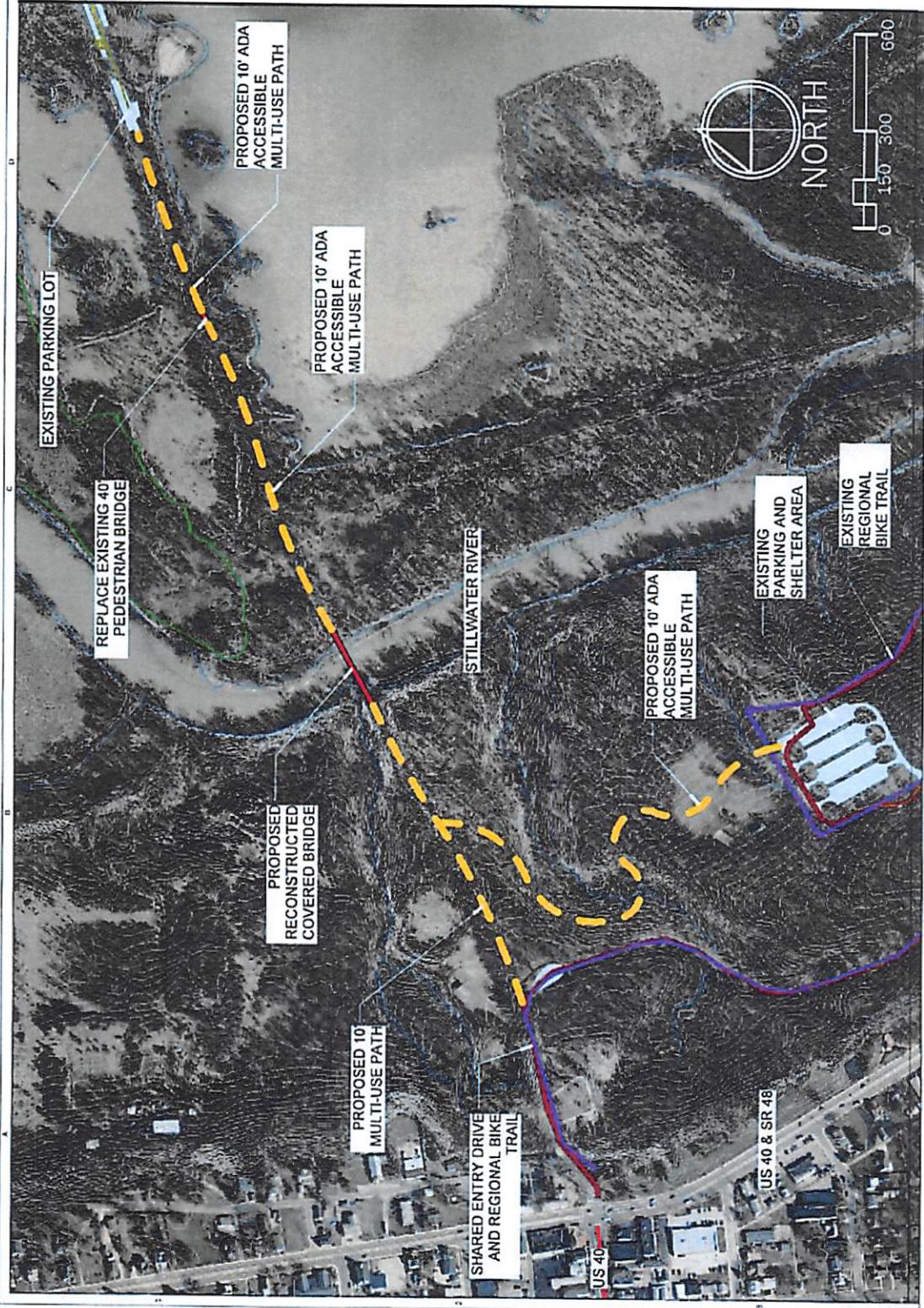
CONCEPT DOCUMENTS

REV	DATE	COMMENTS

DATE: 10/01/2014  
 DRAWN BY: J. SAUER  
 CHECKED BY: ERS  
 PROJECT NO.: 14-001-00  
 SHEET NO.: L5101

**FIVE RIVERS METROPARKS**

4015 KENNEDY AVE., SUITE 202  
 CANTON, OHIO 44705  
 330.272.0000  
 WWW.FIVERIVERSMETROPARKS.COM





Covered Bridge  
2 Mile Buffer

Union Elementary

Early Learning Center

Englewood Elementary

Englewood Hills Elementary

Aullwood Audubon Center





*BOARD OF DIRECTORS*  
William E. Lukens  
Gayle B. Price, Jr.  
Mark G. Rentschler  
*GENERAL MANAGER*  
Janet M. Bly

October 3, 2014

Mr. Eric Smith  
City Manager  
City of Englewood  
333 West National Road  
Englewood, Ohio 45322

Dear Mr. Smith:

The City of Englewood proposes a covered bridge across the Stillwater River that would link the western and eastern areas of Englewood MetroPark, enhancing accessibility and the overall experience for visitors at the MetroPark.

For more than 90 years, The Miami Conservancy District (MCD) has encouraged public use of its lands around Englewood Dam for recreation and enjoyment of the natural beauty the area has to offer. The Miami Conservancy District partners with Five Rivers MetroParks to provide Englewood MetroPark a regional amenity visited by thousands of people each year.

MCD supports the proposed covered bridge across the Stillwater River at Englewood. This cooperative effort would provide benefit to people throughout the region.

Sincerely,

A handwritten signature in blue ink, appearing to read "KAR", is written over the word "Sincerely,".

Kurt A. Rinehart  
Chief Engineer

KAR:vl



Trustees

Nick Brusky  
Michael Lang  
Doug Orange

Fiscal Officer

Mark Adams

Administrator

Kimberly A. Lapensee



Assistant Township  
Administrator

Erika Vogel

Fire Chief

Dan Alig

Chief of Police

John Cresie

## Butler Township Government Center

October 8, 2014

Eric Smith, City Manager  
City of Englewood  
333 West National Road  
Englewood, OH 45322

Dear Mr. Smith:

This letter is intended to show the strong support of the Butler Township Trustees, the citizens of Butler Township and the surrounding community for the request by the City of Englewood for building a covered bridge in the Englewood MetroPark.

Butler Township is proud to be playing a small part in the connection between the east and west sides of the park that is located in the City of Englewood and Butler Township. We applaud your efforts in promoting this unique project.

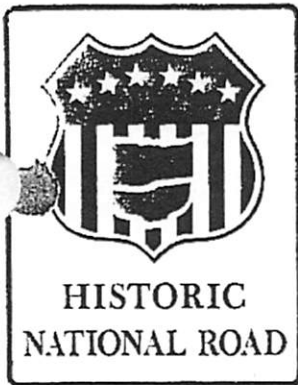
Butler Township supports creating a historical connection along the US 40 route that allows us the ability to educate future generations about what was there and the importance of US 40. There is also a desire to have a better and more direct access to the features of the Englewood MetroPark that is located in the east park without having to walk or bike all the way around the dam.

The Township is very supportive of the idea of more comprehensive and connected set of trails within the park to better serve its users. To create a bridge that serves pedestrians, recreational activities and in some form reflects the flavor of the old covered bridge would be an icon for both communities.

Sincerely,

A handwritten signature in black ink that reads 'Kimberly A. Lapensee'.

Kimberly A. Lapensee  
Township Administrator



Ohio  
National  
Road  
Association

President: *Donna Johnson*  
Vice President: *Jenna Johnson*

Byway Coordination Services  
C/O Clark Co. - Springfield TCC  
76 East High Street  
Springfield, Ohio 45502

Phone: 937-324-7689  
Email: [sschmid@ci.springfield.oh.us](mailto:sschmid@ci.springfield.oh.us)  
Web-site: [www.ohionationalroad.org](http://www.ohionationalroad.org)

★ ★ ★ *An All - American Road National Scenic Byway* ★ ★ ★

May 2, 2006

Mr. Charles W. Shoemaker - Director  
Five Rivers Metro Parks  
1375 E. Siebenthaler Ave.  
Dayton, OH 45414

Dear Mr. Shoemaker;

Over the past couple of years, our organization, the Ohio National Road Association, (ONRA) has heard about a proposal to replicate the covered bridge on the National Road that once crossed the Stillwater River near Englewood. While we understand that at this point it is only an idea or concept, we would like to go on record as supporting the proposal. Should this idea materialize, I can assure you it would be a highly significant event for the supporters of the road, not only here in Ohio, but in the five other National Road states. The old covered bridge was a uniquely historic artifact that was lost many years ago. To have it back in some form, perhaps as part of a trail network, would be wonderful, indeed. I would add that should this project materialize, ONRA would be pleased to participate in any way that might be helpful.

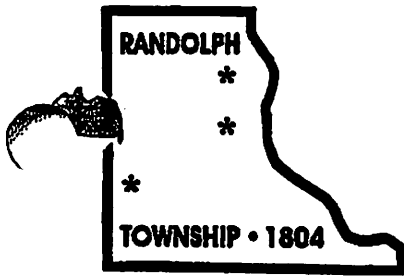
Our organization is relatively young, so I understand you may not be acquainted with us. ONRA is a not-for-profit membership organization whose mission is to preserve, promote and enhance the Historic National Road in Ohio for present and future generations. In 2002, we were successful in our efforts to gain the highest designation of *National Scenic Byway/All - American Road* status from the Federal Highway Department. We recently published a comprehensive National Road Visitors Guide, (copy enclosed) and we will soon introduce a Design Guidelines Handbook to assist National Road communities to preserve and enhance their portion of the roadway. We work closely with ODOT, the Ohio Historic Preservation Office, the Turner Foundation and other state and federal agencies.

As you may know, 2006 is the bicentennial year for the National Road, with federal approval of the road officially granted in 1806. Many events are planned as part of the celebration. I can think of nothing more fitting and timely than an announcement sometime during the bicentennial year, concerning the Englewood covered bridge project.

Please feel free to contact ONRA if we can be of any assistance to you and your agency. Thank you for your consideration in this matter.

Sincerely,

Jenna Johnson, Vice President  
Ohio National Road Association



# RANDOLPH TOWNSHIP HISTORICAL SOCIETY

I N C O R P O R A T E D

Post Office Box 355 - Clayton, Ohio 45315

*"Uniting the Past with the Future"*

Clayton - 1816

Englewood - 1841

Union - 1816

December 2, 2005

Mr. Charles Shoemaker, Director  
Five River MetroParks  
1375 E. Siebenthaler Ave.  
Dayton, OH 45414

Dear Mr. Shoemaker,

At the November meeting of our society, Mr. Ed Kemper, President of the Ohio National Road Bicentennial Commission, spoke on statewide observances to mark the bicentennial of the National Road in 2006. During this meeting, the topic of the old wooden bridge over the Stillwater River came up for discussion. When the board learned of Englewood City Manager Eric Smith's proposal, to build a replica of the covered bridge on the original site, the plan was met with great enthusiasm and a resolution was passed supporting the concept. As President of the Randolph Township Historical Society, I would like to convey the society's endorsement of the possible reconstruction.

The old wooden bridge was an important landmark in northern Montgomery County in the early 1900s. It is well documented in photos taken by Englewood photographer Edwin Sinks. I am sure you have seen some of these views. Not only did the covered bridge provide a safe passage across the Stillwater River for countless numbers of travelers moving along the National Road, but it also was a favorite recreation spot for local residents. No photo album was complete without a snapshot of local families enjoying picnics by the bridge and young ladies in long dresses posing next to the entrance. It could be this way again!

Reconstruction of a replica wooden bridge within Englewood MetroPark would be a dream come true for all history buffs in this area. Such a bridge also would be a boon to hikers and bicyclists wishing to travel to the western parts of Englewood MetroPark and the new northern sections of the park near Union. We would like to help make this possibility a reality.

Next year would be an excellent time to unveil plans for the covered bridge reconstruction and seek funding from external sources. Why? Because there will be a lot of attention focused on the National Road in 2006. All the extra publicity should make it easier to approach funding agencies for support as long as the board of directors of Five River MetroParks would endorse the concept.

The Randolph Township Historical Society, which serves Clayton, Englewood and Union, is planning a large display about the National Road in the Englewood City Government Center during the summer months of 2006. Historical societies in Butler and Clay townships also have been invited to join us. Our goal is to showcase the vital role the National Road played in the development of northern Montgomery County for our local residents and also for the many vacationers expected to travel old Rt. 40 next year. Part of our exhibit will feature photos of the old wooden bridge. Artists renderings of the proposed bridge replica could be worked in to provide a showcase for this marvelous project and public support could be solicited.

I hope you and your board of directors will give this idea full consideration. Feel free to contact me for further discussions at 832-1858.

Sincerely yours,

  
Glenn Marsh  
President

cc: E. Kemper ✓  
E. Smith ✓

visit our web site: [www.rths.org](http://www.rths.org)

CITY OF ENGLEWOOD, OH  
2005 DEC - 4 A 10:48 AM