

OHIO PUBLIC WORKS COMMISSION

77 South High Street - 16th Floor
Columbus, OH 43266

CB 111

APPLICATION for PROJECT SUPPORT

CB 111

OPWC Use Only					
Application ID Number			Project ID Number		
Date Received			Date Received		
MO	DAY	YR	MO	DAY	YR
Amount Requested			Amount Approved		
\$			\$		

SECTION 1 - APPLICANT INFORMATION

<p>1.1 LEGAL APPLICANT/RECIPIENT:</p> <p>Name <u>Hamilton County, Ohio</u></p> <p>Organization <u>Hamilton County Engineer's Office</u></p> <p>Address <u>Courthouse Administration Bldg. Room 200</u></p> <p>City & Zip <u>130 E. Court St. Cincinnati, Ohio 45202</u></p> <p>1.2 DATE SUBMITTED: MO DAY YR <u>7</u> <u>10</u> <u>89</u></p>	<p>1.3 CONTACT:</p> <p>Name <u>Donald C. Schramm</u></p> <p>Title <u>Hamilton County Engineer</u></p> <p>Address <u>See address at left.</u></p> <p><u>Joseph Hipfel, ^{also} Planning & Design Eng.</u></p> <p>Phone <u>(513) 632-8540</u></p>
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SECTION 2 - PROJECT INFORMATION

<p>2.1 TITLE OF PROJECT: <u>Foley Road (CR-198) Improvement</u></p>					
<p>2.2 BRIEF DESCRIPTION: <u>Rehabilitation of existing pavement structure and replacemnt of any deteriorated road storm water drainage systems. See attached District 2 Project Application for additional detail</u></p>			<p>2.3 LOCATION (include area and population affected) <u>See attached location map.</u> <u>Average Daily Users 9600</u></p>		
<p>2.4 PROJECT TYPE:</p> <p>Road</p> <p>Bridge</p> <p>Water Supply</p> <p>Wastewater Treatment Facility</p> <p>Sanitary System</p> <p>Solid Waste Disposal Facility</p> <p>Stormwater System</p> <p>Flood Control System</p> <p>Other (Explain)</p>	<p>----- Estimated Costs in Appropriate Column(s), \$ -----</p>				
	Replacement	Repair	Expansion	New	Other (Expl.)
	-----	<u>653,247</u>	-----	-----	-----
	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----

2.5 PROJECT STATUS AND SCHEDULE

	Estimated Start Date	Estimated Completion Date
Preliminary Design	<u>July 15, 1989</u>	<u>Completed</u>
Detailed Design and Bid Documents	<u>N/A</u>	<u>August 30, 1989</u>
Site Related	<u>Sept 11, 1989</u>	<u>N/A</u>
Construction Bid Process	<u>Oct 30, 1989</u>	<u>Sept. 29, 1989</u>
Construction		

SECTION 3 - FUNDING INFORMATION

3.1 ESTIMATED COST:

Administrative and Legal	\$ 2000.00	Construction	\$ 594,747.00
Preliminary Engineering	12000.00	Equipment and Facilities	0.00
Site Related	N/A	Contingencies	30,000.00
Construction Engineering	15000.00	Other (Explain)	
		TOTAL	653,747.00

3.2 PROPOSED FUNDING:

Category	Amount	Percent
Federal/State		
State only		
Local	<u>Gasoline taxes & License Fees</u>	<u>14%</u>
Other (explain)		
OPWC	<u>District / Grant</u>	<u>86%</u>

3.3 OPWC ASSISTANCE REQUESTED

3.4 TYPE OF OPWC FUNDS:

Grant (100% of funds in years 1 and 2)	\$ 562272.00
Loan (Beginning in year 3)	
Debt Support (Beginning in year 3)	
Credit Enhancement (Beginning in year 3)	

- District
- Emergency
- Small Government
- Water/Sewer Rotary

3.5 DESCRIPTION OF APPLICANT'S EFFORTS AND ABILITY TO ASSIST IN FINANCING THE PROJECT:

Foley Road is on the Urban Federal Aid System however under the 1990-1994 Transportation Improvement Plan of the Ohio, Kentucky, Indiana Council of Governments (LPO) those funds are committed through fiscal year 1994. Without Issue 2 assistance this project cannot be implemented. With project approval Hamilton County commits to financing from its capital road funds 10% of construction and contingency costs and 100% of all other project related costs.

SECTION 4 - APPLICANT CERTIFICATION

4.1 The Applicant Certifies that:

"To the best of my knowledge and belief, data in this application are true and correct, an inventory and a five-year plan of capital improvement needs and priorities has been completed in compliance with R.C. 164.06(C), the documents have been duly authorized by the governing body of the applicant, and the applicant will comply with required assurances including minority hiring, Buy Ohio, prevailing wage, and other assurances provided by law."

Certifying Representative:
(Type name and title)

DONALD C. SCHRAMM, P.E.-P.S.
HAMILTON COUNTY ENGINEER

Signature:

Donald C. Schramm

Date Signed

July 10, 1989

SECTION 5 - DISTRICT COMMITTEE CERTIFICATION

5.1 The District Integrating Committee for District Number _____ Certifies that:

The Committee has selected this request for assistance to be submitted to the Director, OPWC, with specific consideration having been given to infrastructure repair and replacement needs of the district, age and condition of the system, ability to generate revenue, importance of project to health and safety, local ability to finance, availability of federal or other funds, adequacy of planning for project, adequacy of a 5-year infrastructure plan by the subdivision, project cost, and allocation limits of District (Secs. 164.05 and 164.06 B of ORC), and, if requested by Director, OPWC, the District will provide within 5 days evidence satisfactory to the Director that the foregoing considerations have been made.

Certifying Representative:
(Type name and title)

DONALD C. SCHRAMM, P.E.-P.S.
CHAIRMAN

Signature:

Donald C. Schramm

Date Signed

July 13, 1989

Line No.	Spec. Item	Description	Unit	No. of Units A	Unit Price of			Price for Item E=AXD
					Labor B	Material C	Combined D=B+C	
1	202	Wearing Course Removed	SQ.YD.	26175			1.75	458.07
2	202	Rigid Pavement Removed	SQ.YD.	465			15.00	6,975.00
3	202	Curb Removed	LIN.FT.	12110			3.50	42,385.00
4	202	Inlets Removed	EACH	19			100.00	1,900.00
5	202	Pipe Removed for Reuse	LIN.FT.	42			50.00	2,100.00
6	304	Aggregate Base	CU.YD.	25			25.00	625.00
7	305	9" P.C.C. Base (High Early Strength)	SQ.YD.	465			30.00	13,950.00
8	404	Asphalt Concrete (AC-20) Driveways	CU.YD.	50			55.00	2,750.00
9	403	Asphalt Concrete (AC-20)	CU.YD.	1030			55.00	56,650.00
10	404	Asphalt Concrete (AC-20)	CU.YD.	920			55.00	50,600.00
11	407	Tack Coat	GAL.	2620			1.00	2,620.00
12	452	7" P.P.C.C. Pavement (Driveways)	SQ.YD.	500			25.00	12,500.00
13	SPL	Full Depth Pavement Repair	SQ.YD.	200			30.00	6,000.00
14	SPL	Partial Depth Pavement Repair	SQ.YD.	975			15.00	14,625.00
15	SPL	Joint Cleaning & Sealing	LIN.FT.	19100			1.00	19,100.00
16	SPL	Joint Fabric 24" width	LIN.FT.	19100			1.50	28,650.00
17	603	12" Conduit Type B	LIN.FT.	1320			40.00	52,800.00
18	603	18" Conduit Type B	LIN.FT.	440			45.00	19,800.00

\$

Line No.	Spec. Item	Description	Unit	No. of Units	Unit Price of			Price for Item E=AXD
					A	B	C	
				Labor		Material	Combined D=B+C	
19	603	24" Conduit Type B	LIN.FT.	60			50.00	3,000.00
20	603	42" Conduit Type B	LIN.FT.	96			65.00	6,240.00
21	603	42" Conduit Reconstruction Type B	LIN.FT.	72			35.00	2,520.00
22	603	4" Conduit	LIN.FT.	400			10.00	4,000.00
23	604	NO.6 Catch Basin	EACH	2			500.00	1,000.00
24	604	NO.3-A Catch Basin	EACH	4			750.00	3,000.00
25	604	NO.3 Catch Basin	EACH	26			1,000.00	26,000.00
26	604	Double Gutter Inlet	EACH	1			850.00	850.00
27	604	Catch Basin Adjusted to Grade	EACH	12			100.00	1,200.00
28	604	Manhole Adjusted to Grade	EACH	5			100.00	500.00
29	604	Water Valve Chamber Adjusted to Grade	EACH	5			100.00	500.00
30	602	Concrete Masonry	CU.YD.	20			250.00	5,000.00
31	609	Type 6 Curbs	LIN.FT.	12110			10.00	121,100.00 121,100.00
32	614	Maintaining Traffic	L.S.	L.S.			15,000.00	15,000.00
33	623	Construction Layout Stakes	L.S.	L.S.			10,000.00	10,000.00
34	624	Mobilization	L.S.	L.S.			10,000.00	10,000.00
35	619	Field Office	L.S.	L.S.			5,000.00	5,000.00

SUB-TOTAL

594,747.00

Project Name and Description

UNOFFICIAL BID TABULATION

Engineer's Estimate
of Cost of Project

FOLEY ROAD IMPROVEMENT

Sheet 3 OF 3

\$ _____

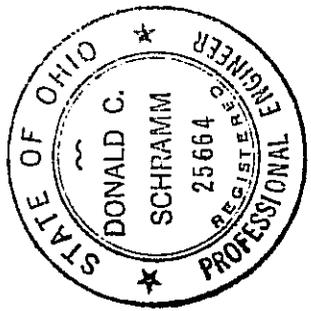
Line No.	Spec. Item	Description	Unit	No. of Units	Unit Price of			Price for Item E=AXD
					Labor	Material	Combined	
				A	B	C	D=B+C	
								30,000.00
								624,747.00

CONTINGENCIES

GRAND TOTAL

30,000.00

624,747.00



HAMILTON COUNTY ENGINEER

Donald C. Schramm

DONALD C. SCHRAMM, P.E.-P.S.

USEFUL LIFE - Upon satisfactory completion of the work, the useful life of the FOLEY ROAD IMPROVEMENTS will be at least 10 years for Pavement Resurfacing, 20 years for Curbing and 50 years for Storm System.

Opinion of Construction Cost is subject to adjustment upon detail plan completion and upon receipt of bids by qualified contractors.



County of Hamilton

DONALD C. SCHRAMM, P.E.-P.S. COUNTY ENGINEER

700 COUNTY ADMINISTRATION BUILDING

138 EAST COURT STREET

CINCINNATI, OHIO 45202

GENERAL INFORMATION (513) 632-8523

PROJECT SELECTION CRITERIA AND PROCEDURE

To fairly select projects for formal submission to the Director of the Ohio Public Works Commission or the Administrator of the Small Government Capital Improvements Commission and to comply with the requirements of Division (B) of Section 164.06 of the Ohio Revised Code by considering each application in light of the specific factors stipulated therein, the District #2 Integrating Committee adopted a numerical point rating procedure developed by a team of registered professional engineers.

All applications for assistance under the State Issue #2 Infrastructure Financing Program were evaluated by a support staff of registered professional engineers in accordance with the adopted rating procedure including on site verification of need and project eligibility. A listing of all projects in order of descending numerical rating was compiled.

Each applicant received notification of the numerical rating of their specific projects and were given opportunity to comment on and question the point values assigned to each factor.

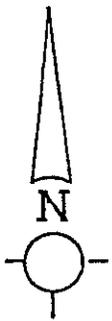
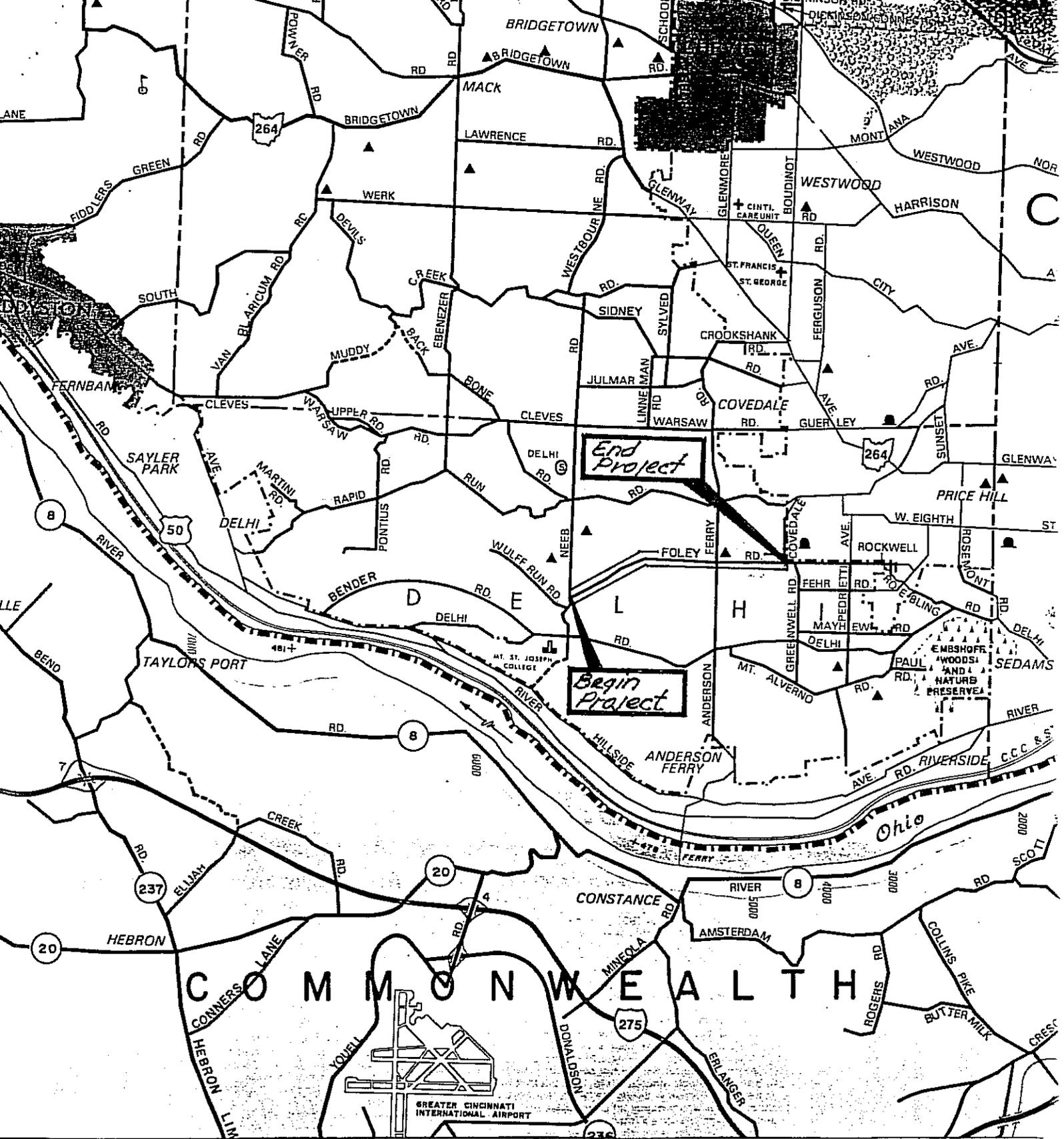
The staff and ultimately the District Committee took into consideration valid comments and questions received. A reassessment was made and where justified, adjustments made in the numerical ratings. A final listing of projects in order of descending numerical rating was compiled. Based on a maximum rating of 115 points; project ratings ranged from a high of 88 points to a low of 43 points.

Beginning with the highest rating, each project was voted on by the Integrating Committee. The final list of recommended projects was determined and finalized when the sum total of infrastructure funds (requested for projects receiving the necessary seven (7) votes for approval) approximately matched the level of infrastructure funds anticipated for the District.

The project herewith attached received a rating of 78.

Respectfully submitted,

Donald C. Schramm, Chairman
District #2 Integrating Committee



Location Map

FOLEY ROAD

FOLEY ROAD

looking west toward Anderson Ferry

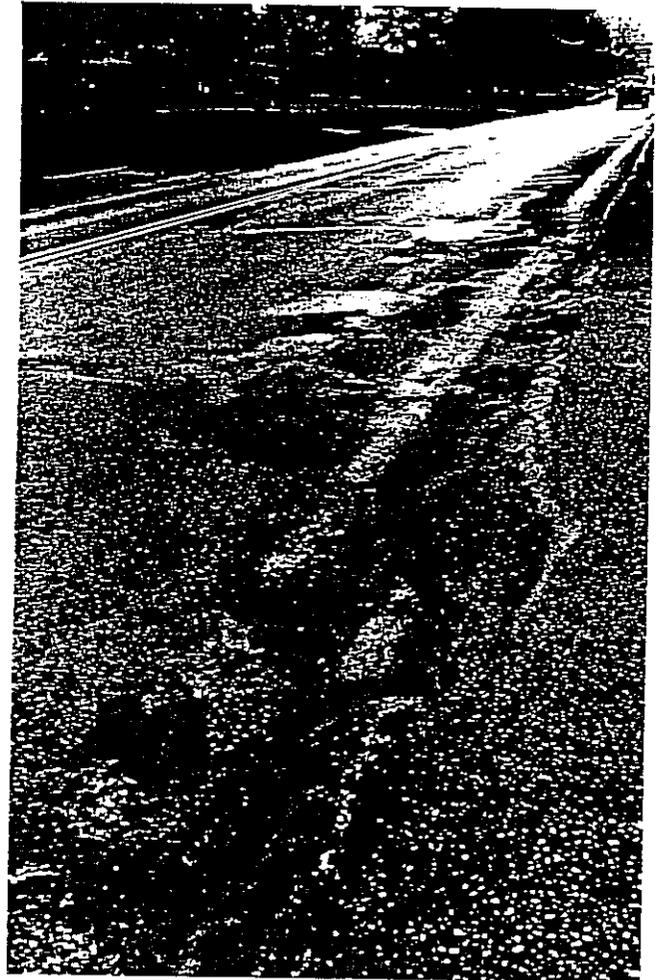
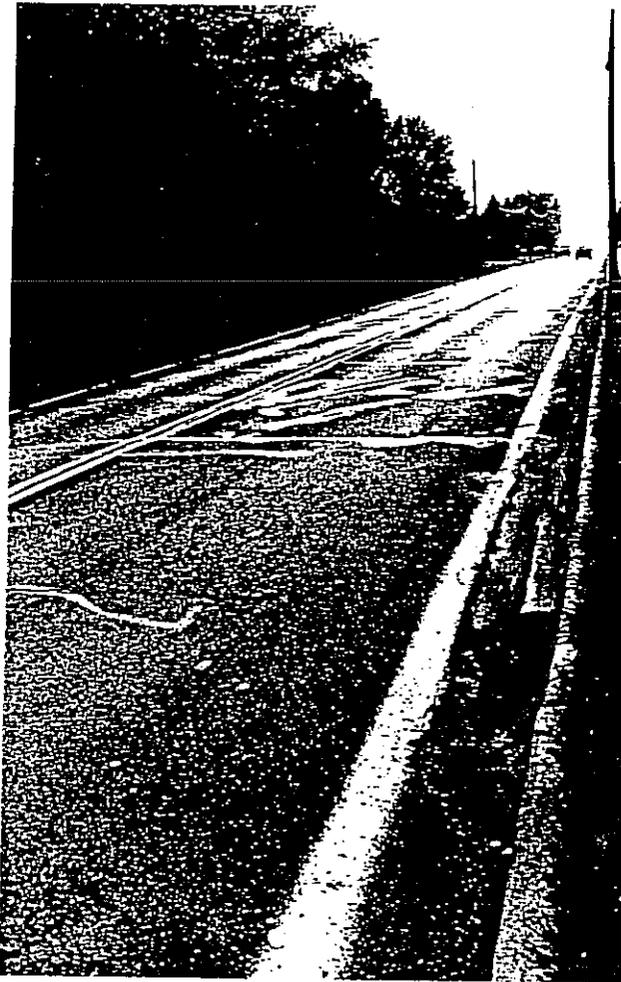


looking west toward Neets Road.



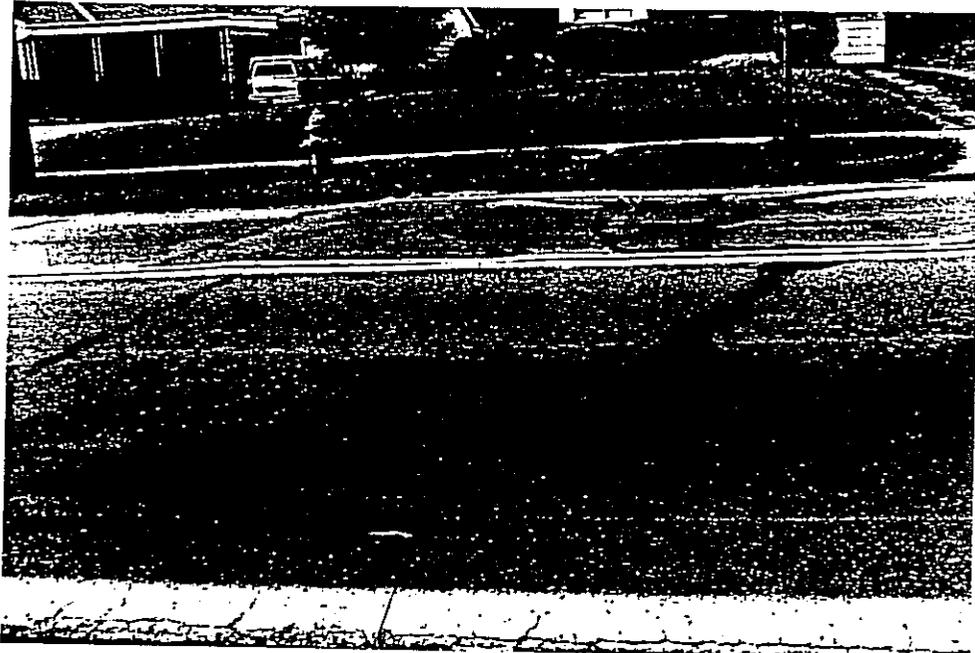
Examples of severe rutting (depression)
of surface course at wheel tracks

FOLEY ROAD



Examples of Typical Pavement ^{Deterioration} ~~Deterioration~~ and previously performed patching and crack sealing.

FOLEY ROAD



Typical Examples of Pavement Failure

Top: over deteriorated corrugated metal pipe
bottom: at subgrade failure

FOLEY ROAD



Examples of Expansion Joint Failure
where previous patching was attempted

FOLEY ROAD



Examples of inadequate drainage due to repeated resurfacing.

Left: loss of curb height.

Right: closing of inlet slots

FOLEY ROAD



Typical Example of Curb deterioration

APPLICATION YEAR: 1989

STATE OF OHIO
INFRASTRUCTURE BOND PROGRAM
DISTRICT 2 HAMILTON COUNTY
PROJECT APPLICATION



Jurisdiction/Agency: Hamilton County *unincorporated area* Population (1980): 260,397

Project Title: Foley Road (CR-198) Improvement Project

Project Identification and Location: Project Limits - from Neeb Road on the west to Covedale Road on the east. Project length 8450 feet (1.60 miles)

Type of Project: Rehabilitation Replace Betterment*

(Mark more than one box if there are expansion elements such as 2 lane bridge being replaced with a 4 lane bridge)

Explanation of Betterment Elements of Project*: No betterments involved on this project

Road Bridge Flood Control System (Stormwater) Water Supply Systems
Solid Waste Disposal Facilities Waste Water Treatment Systems
Storm Water and Sanitary Collection Storage & Treatment Facilities

Detailed Description of Project**: Project involves rehabilitation of existing pavement by removal of the asphalt surface; partial depth and full depth repair of deteriorated joints and pavement in the underlying portland cement concrete base; removal of the deteriorated rolled curb and replacement with vertical concrete curb; cleaning and resealing of stable pavement joints; removal of deteriorated corrugated metal pipe and replacement with new storm pipe; replacement of obsolete and deteriorated curb inlets and catch basins; resurfacing pavement with 2 1/2 inches asphalt concrete.

Type of Issue 2 Funds: District 2 Small Government
Water/Sewer Rotary Emergency

* See definition of Betterment attached.
**Attach additional sheets if necessary.

1. Is this a roadway, bridge, or stormwater project? *Roadway project*
2. If State Issue 2 funds are awarded, how soon would the opening of bids occur after project approval?
- Explain in definite statements and dates the adequacy of the planning for the project and the readiness of the applicant to proceed should the project be approved. As a minimum list, the LENGTHS OF TIME to complete the following:
 - a) Selection of Consultant (if applicable). N/A
 - b) Preliminary development or engineering. N/A
 - c) The preparation of detailed construction plans. 45 days
 - d) Right of Way acquisition (if applicable). none required.
(Please note that right of way acquisition is a time consuming process).
 - e) Utility coordination to be coordinated during construction
3. Using averages where necessary, what is the condition of the infrastructure to be replaced or repaired? For bridges, base condition on latest general appraisal and condition rating.
- Include a brief statement of condition and deficiencies of the present facility such as: inadequate superstructure (bridge), surface type and width, structural condition of surface, berm width, grades, curves, sight distances, drainage structures, sanitary sewers. When condition is not accurately ascertainable, use age of facility. List the age of the infrastructure to be repaired or replaced using one of the following categories: less than 20 years, 20-29 years, 30-39 years, 40-49 years, 50 years or older Age of pavement over 50 yrs; Width 27ft; some potholes and pavement slabs fractured and heaved; Asphalt surface rough and rutted in wheel tracks; Existing rolled curb at several locations is broken and deteriorated for considerable length. Much of the C.M.P storm drains are severely deteriorated
4. How will the proposed infrastructure activity impact the general health and welfare of the service area, including convenience and quality of life?
- Discuss the following items pertaining to the project (before and after the completion of the project) as thoroughly as possible.
 - a) Emergency response time - for example, are vehicles currently required to use alternate routes delaying emergency response time? Traffic is not required to use alternate routes. There are alternate routes available although somewhat circuitous which could be used as detours if the need arose (ie: Rapid Run and Delhi Road)
 - b) Detour characteristics - for example, are the alternate routes adequate to handle the additional traffic and loads of a detour? Alternate routes would be adequate to handle the traffic for a short period of time such as during construction but lack sufficient capacity to be used over an extended period of time without an increase in congestion on those routes.

- c) Additional User Costs - The additional distance and time for the users to travel the detour or alternate routes. *The added distance to travel alternate routes would be approximately 1 to 1.5 miles depending on the route taken adding considerable time as a result of increased congestion and delays and circuitous nature.*
- d) Adverse impact on adjacent businesses - How does the existing detour or the proposed project have any impact on the adjacent businesses? *Impact on businesses on Foley Road would be minimal since only commercial development is in the vicinity of Anderson Ferry Road.*
-

5. Are matching funds available? (i.e. Federal, State, MRF, Local, etc.) To what extent of anticipated construction cost?

■ List the type and amount of funds being supplied by the local agency. This amount may be from local, Federal, State, Municipal Road Fund (MRF), or other sources. Explain additional funding through other sources being applied for or received for the project. Also, explain any need to accumulate funds for construction at a later date. Complete LOCAL FUNDING SOURCES on Page 5.

■ The local agency shall supply a minimum of 10% of the anticipated construction cost. Additionally, the local agency shall pay for all costs of engineering, inspection of construction, right of way, and the betterment portion of the project. Complete ESTIMATED COST OF PROJECT, on Page 5.

6. How will the proposed infrastructure activity impact the public's safety?

■ Include a brief statement indicating how the activity will impact the public safety. For example, will the activity reduce the number of accidents? Accident records should be attached where applicable. List whether an existing bridge is functionally obsolete or structurally deficient (This information may be obtained from City, County or State where applicable); or will the addition or improvement of storm sewers reduce accidents on a roadway or bridge. *Project will improve safety by eliminating the rutting which now exists which can lead to hydroplaning and through improved drainage will eliminate icing conditions in winter.*

7. Has any formal action by a federal, state, or local government agency resulted in a partial ban or complete ban of the use or expansion of use for the involved infrastructure?

■ Are there any roads or streets within the proposed project limits that have weight limits (partial ban) or truck restrictions (complete ban)? Have any bridges had weight limits imposed on them (partial ban) or truck prohibitions (complete ban)? Have the issuance of new Building permits been limited (partial ban) or halted (complete ban) because the existing storm/sanitary sewer or water supply system in a particular area is inadequate? Document with specific information explaining what type of ban currently exists and the agency that imposed the ban.

No

8. What is the total number of existing users that will benefit as a result of the proposed project? Use appropriate criteria such as households, traffic count, daily users, etc., and equate to an equal measurement of users.

■ For roads and bridges, compute current Average Daily Traffic and multiply by 1.2 occupants per car (I.T.E. estimated conversion factor) to determine users per day. Documentation should include recent traffic counts. Where the facility currently has any restrictions or is partially closed, use traffic counts prior to restriction. For storm sewers, determine the approximate number of residents within the area drained by the storm sewer under consideration. Current ADT 6000 to 10,000

vehicles per day; Total daily users 9600 per day average

9. Does the project have regional impact? (How many jurisdictions will be served or will benefit from this project?)

■ Determine how many jurisdictions will significantly benefit from the project. Try to determine the service area of the project, using destination studies and other methods of documentation as available. Project has significant regional impact in that Foley Road serves to evenly distribute the east west movement of traffic from the City of Cincinnati to and through Delhi Township over the four major routes, Cleves Warsaw, Rapid Run, Foley Road and Delhi Road.

10. The applicant has conducted a study of its existing capital improvements and their conditions. A five year overall Capital Improvement Plan (that shall be updated annually) is attached or on file with the District 2 Integrating Committee for the current year or shall be submitted by March 31 of the program year. The Plan shall include the following:

- a) An inventory of existing capital improvements,
- b) A plan that details capital improvements needs during the next five years and,
- c) A list of the political subdivision's priorities in addressing these needs.

The attached Form 1 shall be completed for those projects which are being submitted for Issue 2 funds.

11.) PROJECT SCHEDULE

<u>ACTIVITY</u>	<u>TARGET DATE</u>
Consultant Selection (if applicable) <i>Plans to be prepared in house</i>	<u>N/A</u>
Preliminary Engineering Completed	<u>July 1, 1989</u>
Detailed Plans Completed	<u>August 30, 1989</u>
Right-Of-Way Acquired (if applicable)	<u>none needed</u>
Contract Let	<u>September 30, 1989</u>
Construction Completed	<u>June 1, 1990</u>

12.) ESTIMATED COST OF PROJECT

<u>ACTIVITY</u>	<u>ISSUE 2 FUNDS</u>	<u>LOCAL FUNDS</u>
Planning, Design, Engineering	(100% Local)	\$ <u>14,000.00</u>
Right-Of-Way/Real Property	(100% Local)	\$ <u>0.00</u>
Inspection of Construction	(100% Local)	\$ <u>15,000.00</u>
Construction and Contingencies	\$ <u>562272.00</u>	\$ <u>62,475.00</u>
Betterment Portion	(100% Local)	\$ _____
Subtotal	\$ <u>562272.00</u>	\$ <u>91475.00</u> **
Grand Total (Issue 2 Funds Plus Local Funds).....		\$ <u>653747.00</u>

LOCAL FUNDING SOURCES

Municipal Road Fund (MRF)	\$ _____
State Fuel & License Funds	\$ <u>91475.00</u>
Local Road Taxes	\$ _____
Local Bond or Operating Funds	\$ _____
Misc. Funds (Specify) _____	\$ _____
Total Local Funds	\$ <u>91475.00</u> **

** These numbers must be identical

14.) AUTHORIZATION

The applicant hereby affirms that local funds will be provided if this project is selected.

Note: Attach with application any photographs, reports, plans or other available data on the project.

County Administration Bldg.
Room 700
138 E. Court Street

Cincinnati Ohio 45202
Address

(513) 632-8523
Phone (Work)

Donald C. Schwamos
Signature

Donald C. Schwamos
Name

County Engineer
Position

Hamilton County / County Engineer's Office
Local Jurisdiction/Agency