

BUTLER COUNTY ENGINEER'S OFFICE



GREGORY J. WILKENS, P.E., P.S. BUTLER COUNTY ENGINEER

www.bceo.org

2002
Capital Improvements
Report

March 28, 2002

Board of County Commissioners
Butler County Government Services Center
315 High Street
Hamilton, Ohio 45011-2759

RE: 2002 Capital Improvements Report

Board of Butler County Commissioners:

The staff of the Butler County Engineer's Office conducts an ongoing inspection and analysis of the roads and bridges that are under our jurisdiction and make up the County system, per Section 5543.02 of the Ohio Revised Code. On the basis of these inspections and analyses, we respectfully submit this Report to the Butler County Board of Commissioners and request approval of expenses for all recommended 2002 capital improvements effective March 15, 2002.

We also request the enactment of resolutions 1) for the acquisition of needed rights of way and plan preparation in accordance with our recommended improvements, and 2) to proceed by Force Account as outlined in Section 5543.19 of the Ohio Revised Code for all necessary maintenance, repair, and improvements. Materials for all Force Account projects are bid through separate contracts.

Very truly yours,

Gregory J. Wilkens, P.E., P.S.
Butler County Engineer

2002 PROPOSED CAPITAL IMPROVEMENTS

The following list of proposed capital improvements and general maintenance projects is compiled as of March 15, 2002. It includes carryover projects under construction which are expected to be completed in 2002 and projects that will begin construction during 2002, unless otherwise specified.

Bridges

Federal Funds

Contract 2001-10 LPA - One Bridge Replacement

California Road Bridge #04.312

CONTRACT AMOUNT: \$1,947,075



Existing California Road Bridge #04.312.

Contract for Two Bridge Replacements

Hine Road Bridge #00.510

State Road Bridge #00.189

ESTIMATED PROJECT COST: \$1,837,852

(Both bridges to be built as Design-Build projects.)

State Issue 2 Funds

Contract for Three Bridge Replacements

California Road Bridge #05.789

Canal Road Bridge #00.136

Four Mile Creek Road Bridge #01.870

ESTIMATED PROJECT COST: \$355,000

Contract for Five Bridge Replacements

Howe Road Bridge #03.787

Huston Road Bridge #02.655

Oxford Middletown Road Bridge #06.910

Schradin Road Bridge #02.684

Stout Road Bridge #00.110

ESTIMATED PROJECT COST: \$450,000

(Contract to be let in late 2002. Most construction to take place in 2003.)



Existing Four Mile Creek Road Bridge #01.870.

Local Funds By Contract

Contract for New Bridge Installation

Salman Road Bridge #00.010

ESTIMATED PROJECT COST: \$56,000

Local Funds By Force Account

Bridge Deck Replacements and Structural Repairs

Baker Road Bridge #00.135

Hinkle Road Bridge #00.650

Indian Creek Road Bridge #01.360

Race Lane Road Bridge #02.415

Sloebig Road Bridge #00.019

ESTIMATED PROJECT COST: \$200,000



Indian Creek Road Bridge #01.360.

Portion of deck removed exposing deteriorated beams.

Culverts

Local Funds By Force Account

Culvert Replacements

Cox Road Culvert #00.948
Cox Road Culvert #00.986
Elk Creek Road Culvert #06.914
Princeton Road Culvert #00.809
West Alexandria Road Culvert #00.106
West Alexandria Road Culvert #00.361
West Alexandria Road Culvert #01.630
West Alexandria Road Culvert #01.698
Yankee Road Culvert #00.877
ESTIMATED PROJECT COST: \$360,000

Intersection Improvements

Federal Funds

Contract for One Intersection Improvement

Liberty Fairfield Road at Princeton Road
ESTIMATED PROJECT COST: \$883,411



Existing Liberty Fairfield Road intersection.

Community Development Block Grant Funds

Contract for One Intersection Improvement

West Alexandria Road at Elk Creek Road
ESTIMATED PROJECT COST: \$175,000



West Alexandria Road at Elk Creek Road.

Local Funds By Contract

Contract for Two Intersection Improvements

Cincinnati Dayton at Kyles Station Road

Eaton Road at Taylor School Road

ESTIMATED PROJECT COST: \$195,909

One Intersection Improvement

Butler Warren Road at Bethany Road

BCEO SHARE: \$210,630

ESTIMATED PROJECT COST: \$485,730

(Construction cost shared by BCEO and Warren County.)

One Intersection Improvement (Local TIF funding**)**

Princeton Road east side of Bypass 4 intersection

APPROXIMATE COST: \$1,800,000

(Phase 2 of project begun in 2001. Contract awarded by BCTID. Construction management by BCEO. Funding: TIF through Fairfield Twp.)



View west on Princeton toward intersection.

Private Funds

One Intersection Improvement

Ohio 128 at Krause Lane / Rossgate Drive

ESTIMATED PROJECT COST: \$128,000

Roadway Improvements

Federal Funds

Contract for One Roadway Improvement

Cincinnati Dayton Road from Mauds Hughes Road to I-75 -- Widen to five lanes; upgrade I-75 interchange and bridge

TOTAL PROJECT COST: \$14,768,333

(Year two of project begun in 2001. Contract awarded by ODOT. Additional funding: State Issue 2.)



Cincinnati Dayton Road will be widened to five lanes.

State Issue 2 Funds

Contract 2002-1 LPA – One Roadway Improvement

Port Union Rd from Ohio 747 to Fairfield corp. -- Widen to three lanes

CONTRACT AMOUNT: \$1,741,727



Port Union Road view east. The road will be widened to three lanes – one in each direction plus a center turn lane.

Local Funds By Contract

Contract for One Roadway Improvement (Local TIF funding)

Cox Road from Tylersville Road to Hamilton Mason Road - Widen to five lanes

ESTIMATED PROJECT COST: \$5,500,000

(Funding: Butler County TIF)

Contract for Construction of New Road (Local TIF funding)

University Point Road

CONTRACT AMOUNT: \$1,534,458

(Funding: Butler County TIF)

Paving

Local Funds By Contract

Contract for Resurfacing of County Roads

Cincinnati Dayton Road - Gano Road (west section) to Union Centre Blvd.

Hamilton Eaton Road - New Miami corp. to U.S. 127

Millikin Road - Mauds Hughes Road to Cincinnati Dayton Road

West Chester Road - Barret Road to U.S. 42

Yankee Road - Dutchland Boulevard to Princeton Road

ESTIMATED PROJECT COST: \$728,335

Other

Federal Funds

Contract for Bikeway Construction

Liberty Township Bikeway, Phase 4

ESTIMATED PROJECT COST: \$296,000

(BCEO to administer design and construction. Additional funding: Liberty Twp)

Community Development Block Grant Funds

Contract for Storm Sewer and Sidewalk Installations

Horseshoe Bend Road - Liberty Twp

Shafor Road - Liberty Twp

Tylersville Road - Fairfield Twp (storm sewer only)

ESTIMATED PROJECT COST: \$297,000

Local Funds By Contract

Contract for Storm Sewer and Storm Damage Repair

Hadley Drive - West Chester Twp

ESTIMATED PROJECT COST: \$108,479

(Contract awarded by West Chester Twp. Construction management by BCEO.

Funding: West Chester Twp.)

Centerline and edgeline striping of various County and Township Roads

ESTIMATED TOTAL COST: \$100,000

Local Funds By Force Account

Vegetation management - Annual Weed Spray for Guardrail/Broadleaf/Johnson Grass

Various County roads

ESTIMATED TOTAL COST: \$20,000

Emergency Funds

Contract for Storm Damage Repair

Canal Road - Fairfield Twp

ESTIMATED PROJECT COST: \$250,000

(Funding: FEMA.)



Canal Road wash out from flash flooding, July 2001.

SUMMARY

The Butler County Engineer's 2002 Capital Improvements Report outlines an estimated \$34.1 million in maintenance and projects proposed for this year. Each project listed in this Report will receive the direct involvement of the Butler County Engineer's Office (BCEO), including planning and engineering, funding, administration of the contract, and/or construction management and inspection. Where noted, the BCEO in some cases cooperates with other local agencies or private entities on a project.

This year's proposed capital improvements include:

Project type	Number	Total	Grant/Outside funding	BCEO/Local
Bridges	17	\$4,845,927	\$4,067,854	\$778,073
Culverts	9	\$360,000	0	\$360,000
Intersections	7	\$3,668,050	\$3,153,100	\$514,950
Roadways	4	\$23,445,018	\$20,332,836	\$3,112,182
Paving	6.0 miles	\$728,335	0	\$728,335
Other	8	\$1,071,479	\$843,000	\$228,479
Total	45 (plus 6.0 miles paving)	\$34,118,809	\$28,396,790	\$5,722,019

Funding estimates for 2002 capital improvements are as follows:

Project funding source	Total	Grant/Outside funding	BCEO/Local
Federal	\$17,793,423	\$14,845,482	\$2,947,941
State	\$4,386,475	\$3,591,750	\$794,725
CD Block Grant	\$472,000	\$472,000	0
Local TIF	\$8,834,458	\$8,834,458	0
BCEO/Local - Contract	\$1,674,453	\$275,100*	\$1,399,353
BCEO/Local - FA	\$580,000	0	\$580,000
Emergency	\$250,000	\$250,000	0
Private	\$128,000	\$128,000	0
Total	\$34,118,809	\$28,396,790	\$5,722,019

* Warren County portion of local contract (Butler Warren Road at Bethany Road).

The BCEO proposes to be involved with an estimated total of \$34,118,809 in projects and maintenance. It is vital to note the necessity of adequate local funding to leverage outside grant funds from the State and Federal governments. Without these additional revenue sources, many of the projects listed in this Report could not be constructed. This year's Capital Improvements Report reflects a leveraged ratio of about 5 to 1. **For every local dollar spent by the BCEO, we will receive \$5.00 in Federal, State, or Block Grant money.**

Studies, planning, and in some cases engineering, are a part of the BCEO's daily operations and will continue this year on many future projects, including the Cincinnati Dayton Road widening in Liberty Township, the Muhlhauser Road improvement in conjunction with the City of Fairfield, and the Ohio 747 widening in conjunction with the Ohio Department of Transportation and the Butler County TID. A complete list of current and future projects can be found on our web site at www.bceo.org.