

**MEMORANDUM**

**To:** Board of Regents  
**From:** Board Office  
**Subject:** Five-Year Institutional Roads Program  
**Date:** July 7, 2003

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**Recommended Actions:**

1. Approve the recommended Five-Year Institutional Roads Program with capital projects totaling \$7,865,000 for calendar years 2004 through 2008, including projects totaling \$1,573,000 for 2004.
  2. Receive the list of identified, unfunded Institutional Roads needs at the Regent institutions totaling \$31,155,254.
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**Executive Summary:**

Background Funds for improvements and maintenance of the roads and streets at the Regent institutions and other State agencies are provided by the State Parks and Institutional Roads Program.

- The Program, which is administered by the Transportation Commission of the Iowa Department of Transportation in accordance with Iowa Code §307A.2.11, provides funding for the construction, reconstruction, improvement and maintenance of roads and streets located on state land where institutions or other state governmental agencies are located.

By statute, 65/100 of one percent of the Road Use Tax Fund is allocated to the Program; the Regent institutions currently receive 31.5 percent of the Program funding, and the dollar amount is adjusted annually based on actual tax receipts.

Each year, the Board is asked to approve the Five-Year Institutional Roads Program, which provides a distribution of the Regent funding allocation among the five institutions, with proposed projects, for the five-year period beginning January 1 of the next calendar year; the Five-Year Program is submitted to the Department of Transportation following Board approval.

The individual projects within the Program are also subject to the Board's capital project approval process in accordance with Policy Manual Chapter 9.

Funding Components      The total funding is allocated between two components: 1) general and routine maintenance and repairs (minor street patching and snow plowing), and 2) capital improvement and reconstruction projects.

- The estimated funds needed for maintenance and repairs are set aside before funds are programmed for capital improvement and reconstruction projects.

Calendar Year 2004      Since the funding amount for the Institutional Roads Program is updated annually, the Program focuses on the first year of the five-year period (beginning January 1, 2004); the total estimated program funding available to the Regent institutions for calendar year 2004 is \$2,173,000.

Of the total funding of \$2,173,000 for calendar year 2004, the proposed allocation includes \$600,000 for maintenance and repairs, leaving a balance of \$1,573,000 to be programmed for capital improvement and reconstruction projects.

Total Calendar Year 2004 Funding	\$ 2,173,000
Less Maintenance/Repair Estimate	<u>- 600,000</u>
Balance for Capital Improvements/Reconstruction	\$ 1,573,000

Five-Year Program 2004 – 2008      The Five-Year Program (2004 – 2008) includes capital improvement/reconstruction projects totaling \$7,865,000. (See Attachment A.)

Unmet Needs      The institutions have also identified unmet needs totaling \$31,155,254; this amount represents additional funding needs beyond the current Five-Year Program. (See Attachment B.)

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**Background:**

Institutional Roads Program Funding Allocation      Currently, the Iowa Code requires the allocation of funds to the State agencies within the Institutional Roads Program based on the Quadrennial Needs Study conducted by the Department of Transportation.

The Quadrennial Needs Study, which is updated every four years, is a review of the total roadway miles and usage for each agency to determine the allocation percentages for the Program funds.

- The Regent institutions currently receive 31.5 percent of the Program funding based on the most recent Quadrennial Needs Study.

The Department of Transportation is currently in the process of updating the Quadrennial Needs Study; the Department does not anticipate this update to result in significant changes to the funding allocation for the Regent institutions.

Institutions'  
Five-Year Plans

The Institutional Roads Program provides an overall plan for use of the Institutional Roads funds over the five-year period based on the Regent institutions' prioritization of their roadway needs.

The projects included in the Five-Year Program represent the most urgent road resurfacing, reconstruction and improvement needs of the institutions; many of the projects have been identified for several years and are needed to preserve and improve the street systems at the institutions.

The majority of the capital improvement/reconstruction funds are programmed for specific capital projects; however, the institutions may also program funds for a special maintenance category to respond to more extensive repair needs that do not fall within the routine maintenance/repair category.

The estimated maintenance/repair funds, which are based on actual costs incurred in previous years, are not allocated among the institutions but are paid as work is completed.

Five-Year  
Program vs.  
Construction  
Schedules

The calendar years within the Five-Year Program do not necessarily correlate with the construction schedules for the projects.

- A project may be programmed for funding over the five-year period, but planning and/or construction may take place anytime within this timeframe.
- A completed project may remain in the program over several years to meet the project's funding requirements.

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**Analysis:**

Calendar Years  
2003/2004  
Comparisons

The calendar year 2004 initial program funding of \$2,173,000 (to be allocated for both capital improvement/reconstruction projects and maintenance/repair projects), is an increase of \$123,000 (6 percent) over calendar year 2003.

However, due to a higher allocation of funds for general maintenance and repairs (based upon prior year actual costs), the available balance programmed for capital improvement and reconstruction projects in calendar year 2004 has decreased \$27,000 from the previous year (from \$1,600,000 to \$1,573,000).

The following table compares the proposed calendar year 2004 allocation with the approved calendar year 2003 allocation.

	<u>2003</u>	<u>2004</u>	<u>Change</u>
Total Funding for Calendar Year	\$ 2,050,000	\$ 2,173,000	\$ 123,000
Less Maintenance/Repairs Estimate	<u>- 450,000</u>	<u>- 600,000</u>	<u>- 150,000</u>
Balance for Capital Projects	\$ 1,600,000	\$ 1,573,000	\$ - 27,000

Distribution of Capital Funds

Historically, the distribution of the capital funds in each year of the Five-Year Program has been: 40 percent each to the University of Iowa and Iowa State University, and 20 percent to the University of Northern Iowa.

- This distribution is undertaken after funds have been designated for specific projects at the special schools and Lakeside Laboratory.

2004 Capital Funding Distribution

The proposed distribution of the \$1,573,000 allocation for capital projects in calendar year 2004 is as follows:

University of Iowa	\$ 608,000
Iowa State University	608,000
University of Northern Iowa	304,000
Iowa School for the Deaf	<u>53,000</u>
<b>Total</b>	<b>\$ 1,573,000</b>

2004 Project Summaries

The following are summaries of the projects listed in the 2004 program on Attachment A. (The projects currently underway or proposed for construction in 2004 are indicated in bold on Attachment A.)

*University of Iowa*

Projects currently underway:

- Surface restoration repairs to the Iowa Avenue pedestrian bridge which crosses Riverside Drive.

Continuation of funding for the following completed projects:

- Highway 6 Pedestrian Overpass;
- Roadway to serve the Hawkeye Athletic/Recreation Facilities Complex on the far west campus; and
- Reconstruction and expansion of Mormon Trek Boulevard near the site of the Hawkeye Athletic/Recreation Facilities Complex.

Proposed projects for future construction:

- Reconstruction of the Iowa Memorial Union south entrance drive; and
- Reconstruction of a portion of Hawkins Drive on the west campus for improved traffic flow.

*Iowa State  
University*

Projects currently underway:

- Reconstruction and realignment of the intersection of Union Drive and Knoll Road, located near the site of the Gerdin Business Building to correct deteriorating roadway conditions and to improve circulation;
- Installation of a storm sewer for a portion of Stange Road;
- Installation of overlay for a portion of 13th Street; and
- Lighting improvements for Pammel Drive.

*University of  
Northern Iowa*

Proposed projects for 2004 construction:

- Reconstruction of 27<sup>th</sup> Street from Hudson Road to Ohio Street (north of Hagemann and Rider residence halls) to accommodate east/west campus traffic;
- Reconstruction of Campus Street from University Avenue to the Visitor Information Center to accommodate access to central campus; and
- Concrete repairs to the Hudson Road pedestrian bridge located directly west of the Kamerick Art Building and southeast of the UNI-Dome.

*Iowa School for  
the Deaf*

Continuation of funding for the reconstruction of a deteriorated portion of Bell Drive on the east side of campus (construction is complete).

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2004 – 2008  
Funding  
Distribution

The Five-Year Program amount of \$7,865,000 is derived by applying the 2004 amount for capital projects (\$1,573,000) to each of the five years of the program.

The proposed distribution of funds for the capital projects in the 2004 – 2008 program is as follows:

University of Iowa	\$ 3,108,000
Iowa State University	3,108,000
University of Northern Iowa	1,554,000
Iowa School for the Deaf	<u>95,000</u>
<b>Total</b>	<b>\$ 7,865,000</b>

Descriptions of the projects and campus maps indicating their location are in the Regent Exhibit Book.

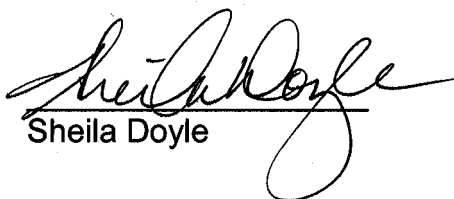
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Unmet Needs

The institutions have identified unmet funding needs totaling \$31,155,254. (See Attachment B.)

- This amount represents the additional funding needed for the institutions' capital improvement and reconstruction projects beyond the funding available in the current Five-Year Program.
- This includes additional funding for some projects in the current Five-Year Program (totaling \$1,466,242 as indicated on Attachment A), as well as new projects which are likely to be included in the Five-Year Program in future years.

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Sheila Doyle

Approved:   
Gregory S. Nichols

Board of Regents, State of Iowa  
Five-Year Institutional Roads Program  
Calendar Years 2004 - 2008

		2004	2005	2006	2007	2008	Total	Unmet Needs		
SUI	Improvement	Highway 6 Overpass, Westlawn to International Center (completed)	\$ 110,149	\$ 206,400	\$ 119,556	\$ 20,000	\$ -	\$ 456,105	\$ 526,042	
		Newton Road Relocation (credit for completed project)	\$ (100,000)	\$ -	\$ -	\$ -	\$ -	\$ (100,000)		
		<b>Improvement Total</b>	\$ 10,149	\$ 206,400	\$ 119,556	\$ 20,000	\$ -	\$ 356,105		
	Reconstruction	Hawkeye Athletic/Rec Facilities Complex Road (completed)	\$ 303,851	\$ 70,149	\$ 96,937	\$ -	\$ -	\$ 470,937		
		Mormon Trek Roadway Improvements (completed)	\$ 100,000	\$ 272,451	\$ 297,149	\$ 484,000	\$ 183,400	\$ 1,337,000		
		Iowa Memorial Union South Entrance Drive (future construction)	\$ 64,000	\$ 20,200	\$ 45,558	\$ 46,800	\$ 73,442	\$ 250,000		
		Hawkins Drive Reconstruction (future construction)	\$ 10,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ 313,958	\$ 373,958		
		<b>Reconstruction Total</b>	\$ 477,851	\$ 372,800	\$ 459,644	\$ 550,800	\$ 570,800	\$ 2,431,895		
	Repair	<b>Iowa Avenue Pedestrian Bridge Repairs</b>	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000		
		Special Maintenance	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000		
	<b>Repair Total</b>	\$ 120,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 320,000			
<b>SUI Total</b>		<b>\$ 608,000</b>	<b>\$ 629,200</b>	<b>\$ 629,200</b>	<b>\$ 620,800</b>	<b>\$ 620,800</b>	<b>\$ 3,108,000</b>			
ISU	Improvement	<b>Union Drive/Knoll Road Reconstruction</b>	\$ 360,000	\$ 453,000	\$ 455,000	\$ -	\$ -	\$ 1,268,000	\$ 383,200	
		<b>Stange Road--Install Storm Sewer</b>	\$ 35,000	\$ 45,000	\$ -	\$ -	\$ -	\$ 80,000		
		Knoll Road Service Court	\$ -	\$ -	\$ -	\$ 422,800	\$ 54,200	\$ 477,000		
		Bissell Road/Koosier Drive Extension/Realignment	\$ -	\$ -	\$ -	\$ 35,000	\$ 201,800	\$ 236,800		
		<b>Improvement Total</b>	\$ 395,000	\$ 498,000	\$ 455,000	\$ 457,800	\$ 256,000	\$ 2,061,800		
	Reconstruction	Morrill Road Reconstruction	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000		\$ 557,000
		<b>Reconstruction Total</b>	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000		
	Repair	<b>13th Street Overlay</b>	\$ 112,000	\$ -	\$ -	\$ -	\$ -	\$ 112,000		\$ 891,200
		<b>Pammel Drive Street Lighting Improvement</b>	\$ 47,000	\$ 15,000	\$ 0	\$ -	\$ -	\$ 62,000		
		Knoll Road Overlay	\$ -	\$ 56,200	\$ 72,200	\$ 23,000	\$ -	\$ 151,400		
	Scholl Road Patch/Seal	\$ -	\$ -	\$ 42,000	\$ -	\$ -	\$ 42,000			
	Blankenburg Drive Overlay	\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ 55,000			
	Scholl Road--Reconstruct Railroad Crossing	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000			
	Preventative Maintenance, Various Locations	\$ -	\$ -	\$ -	\$ -	\$ 149,800	\$ 149,800			
	Annual Special Maintenance	\$ 44,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 244,000			
	Pavement Management	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000			
	<b>Repair Total</b>	\$ 213,000	\$ 131,200	\$ 174,200	\$ 163,000	\$ 209,800	\$ 891,200			
<b>ISU Total</b>		<b>\$ 608,000</b>	<b>\$ 629,200</b>	<b>\$ 629,200</b>	<b>\$ 620,800</b>	<b>\$ 620,800</b>	<b>\$ 3,108,000</b>			
UNI	Reconstruction	<b>27th Street Reconstruction (Hudson Road to Ohio Street)</b>	\$ 209,000	\$ -	\$ -	\$ -	\$ -	\$ 209,000	\$ 1,554,000	
		<b>Campus Street (University Avenue to Visitor Info Center)</b>	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000		
		<b>Hudson Road Pedestrian Bridge</b>	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000		
		Nebraska Street Relocation	\$ -	\$ 254,600	\$ -	\$ -	\$ -	\$ 254,600		
		UNI-Dome Drive North	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ 60,000		
		McLeod Center Drive (tentative name)	\$ -	\$ -	\$ 109,600	\$ -	\$ -	\$ 109,600		
		Campus Street (South of University Avenue)	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ 85,000		
		Industrial Technology Center Drive	\$ -	\$ -	\$ 62,000	\$ 118,000	\$ -	\$ 180,000		
		Indiana Street (South of 23rd Street)	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 30,000		
		Science Drive	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ 28,000		
		31st Street Paving (West of Kansas Street)	\$ -	\$ -	\$ -	\$ 192,400	\$ 67,600	\$ 260,000		
		Colorado Street (22nd to 27th Streets)	\$ -	\$ -	\$ -	\$ -	\$ 127,800	\$ 127,800		
		Price Laboratory Drive	\$ -	\$ -	\$ -	\$ -	\$ 115,000	\$ 115,000		
		<b>Reconstruction Total</b>	\$ 304,000	\$ 314,600	\$ 314,600	\$ 310,400	\$ 310,400	\$ 1,554,000		
<b>UNI Total</b>		<b>\$ 304,000</b>	<b>\$ 314,600</b>	<b>\$ 314,600</b>	<b>\$ 310,400</b>	<b>\$ 310,400</b>	<b>\$ 1,554,000</b>			
ISD	Reconstruction	Special Maintenance (2004-funded project complete)	\$ 53,000	\$ -	\$ -	\$ 21,000	\$ 21,000	\$ 95,000		
	<b>Reconstruction Total</b>	\$ 53,000	\$ -	\$ -	\$ 21,000	\$ 21,000	\$ 95,000			
<b>ISD Total</b>		<b>\$ 53,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,000</b>	<b>\$ 21,000</b>	<b>\$ 95,000</b>			
<b>Grand Total</b>		<b>\$ 1,573,000</b>	<b>\$ 1,573,000</b>	<b>\$ 1,573,000</b>	<b>\$ 1,573,000</b>	<b>\$ 1,573,000</b>	<b>\$ 7,865,000</b>	<b>\$ 1,466,242</b>		

University of Iowa

<b>Hawkins Drive Reconstruction</b>	\$	526,042
Oakdale Campus Road System Reconstruction		732,000
Oakdale Campus Road System Improvement		850,000
Iowa Avenue—Overpass Extension		310,000
Hawkeye Court Entrance Drive		110,000
Nursing Building Entrance Drive		125,000
Lake McBride Roadway System		300,000
Hawkins Drive Reconstruction		526,042
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Total	\$	3,479,084

Iowa State University

<b>Morrill Road Reconstruction</b>	\$	557,000
<b>Bissell Road/Koosier Drive Extension/Realignment</b>		383,200
Winlock Road Realignment		200,000
State Avenue Reconstruction		575,000
Scholl Road Reconstruction		780,000
Maintenance/Resurfacing		759,000
Mortenson Rd East Reconstruction		750,000
Stange Road/13th Street Turn Lanes		1,500,000
13th Street/Stange Road Signal Replacement		50,000
Bissell Road Reconstruction		445,000
Elwood Drive Extension		2,900,000
Welch Avenue/Union Drive/Knoll Road Reconstruction		720,000
Applied Sciences Building New Roadway		280,000
Stange Road Turnaround Realignment		259,560
Hayward Avenue Reconstruction		659,200
Stange Road Reconstruction		1,893,140
Thirteenth Street Reconstruction		3,185,000
Pammel Drive Reconstruction		2,060,000
State Street Paving		1,112,400
Wallace Road Reconstruction		588,130
Christiansen Drive Street Lighting Upgrades		320,190
Zumwalt Paving		615,000
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Total	\$	20,591,820

University of Northern Iowa

Repayment for Colorado Street	\$	322,200
Industrial Technology Center Drive West		183,600
South Campus Boulevard		477,360
Campus Street (South of ITC Drive West)		286,416
Nebraska Street Widening from UNI-Dome to 27th Street		239,798
Kansas Street Extension from 27th Street to North of 30th Street		206,525
Nebraska Street Widening to Four Lanes 27th to 31st Streets		287,988
South Campus Drive A		530,400
West Campus Drive A		367,200
West Campus Drive B		757,860
Observatory Drive		230,520
Illinois Street		246,683
South Campus Drive B		530,400
South Campus Drive C		91,800
South Campus Drive D		622,200
South Campus Loop A		207,060
South Campus Loop B		346,800
South Campus Loop C		115,260
South Campus Loop D		321,300
South Campus Drive E		276,420
Laverne Lane		137,700
Wyoming Street		298,860
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Total	\$	7,084,350

Grand Total	\$	<u>31,155,254</u>
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